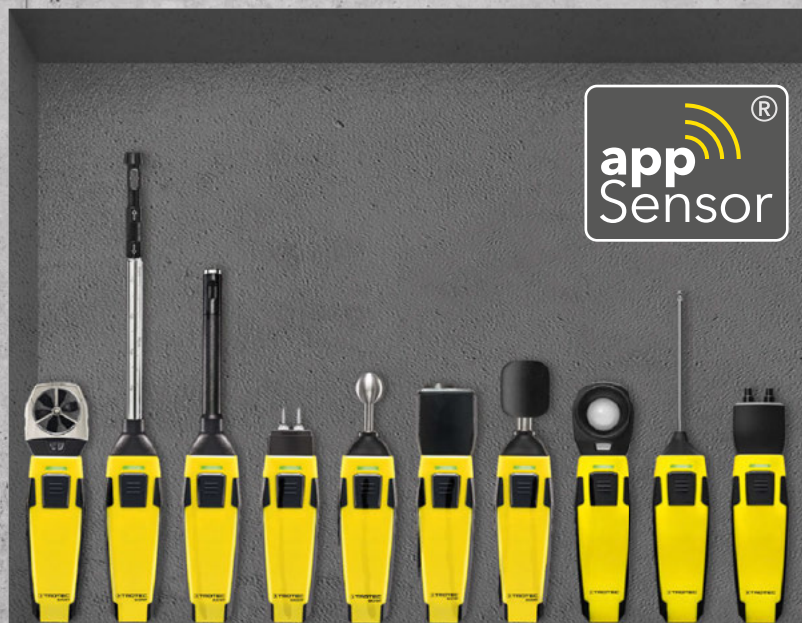


**COMFORT
CONTROL**

COMPLETE
PROGRAM FOR
WORKSHOPS,
HOBBIES AND
FOR OFFICES

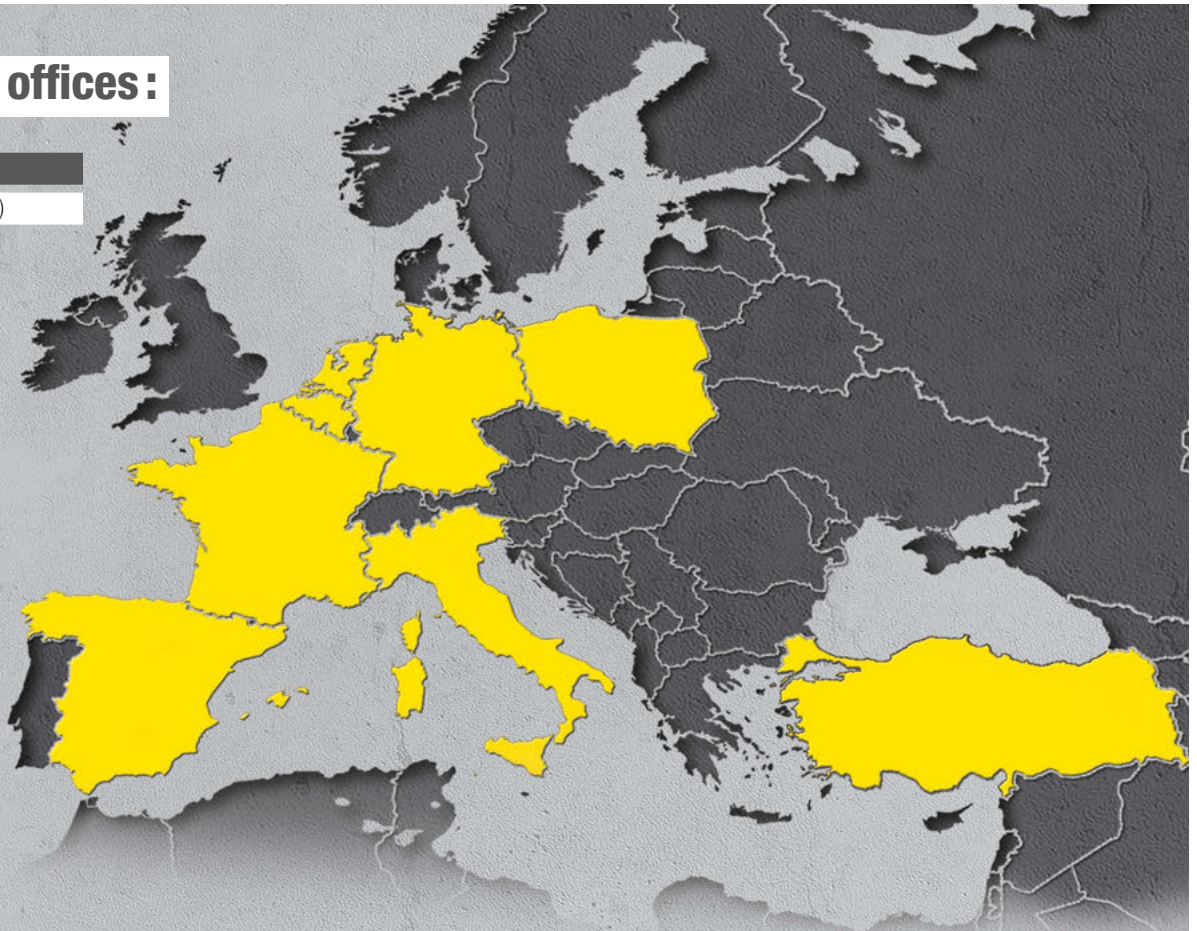


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Online Shop /
Market Places -450

Distribution

Distribution General..... -400

Distribution International

Export..... -500

Administration

Accounting..... -290



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Contents

TEMPERATURE	Thermometers12 Pyrometers.....15
LIQUID ANALYSIS	Brake fluid tester.....17 pH measuring device.....17
HUMIDITY	Humidity measuring devices.....18
PRESSURE	Tyre pressure meter 22 Differential pressure measuring device..... 22
AIR FLOW	Anemometers 24 Hot-wire anemometer 24
CLIMATE	Thermohygrometers 26 Data loggers..... 34
EMISSION	Gas measuring devices..... 36 Particle counter..... 38 Microwave radiation measuring device 38 Luxmeters..... 39 Sound level measuring devices..... 39
PLANNING AND MEASURING	Layer thickness measuring devices 42 Cross line and line laser..... 44 Distance meters 45
LOCATION AND DETECTION	Wall scanners..... 50 UV-LED-Torchlight..... 51
ELECTRICITY	Socket hygrostat 52 Socket thermostats..... 52 Energy cost measuring devices 54 Voltage detectors..... 55 Voltage testers 56 Clamp meters..... 56 Digital multimeters..... 57
VISUAL INSPECTION	Videoscopes 62
APPSENSOR	Measuring devices controlled via smartphone 64

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BT20 Insertion thermometer	BT22WP Thermometer	BT40 Barbeque thermometer	BP2F Food thermometer	BP5F Food thermometer	BP17 Pyrometer	BP21 Pyrometer	BP21WP Pyrometer
							
BP25 Pyrometer (dew point scanner)	BW05 Brake fluid tester	BW10 pH measuring device	BM12 Moisture measuring device	BM18 Moisture measuring device	BM22 Moisture measuring device	BM22WP Moisture measuring device	BM31 Moisture indicator
							
BM31WP Moisture indicator	BM40 Moisture measuring device	BY10 Tyre pressure gauge	BV15WP Differential pressure measuring device	BA06 Vane anemometer	BA16 Vane anemometer	BA16WP Vane anemometer	BA30WP Hot-wire anemometer
							
BC06 Thermohygrometer	BC21 Thermohygrometer	BC21WP Thermohygrometer	BC25 Thermohygrometer	BZ01 Digital alarm clock with weather station	BZ05 Indoor thermohygrometer	BZ06 Designer weather station	BZ07 Weather station / indoor climate monitoring unit
							
BZ290S Radio weather station with outdoor sensor	BZ15C Thermohygrometer	BZ15M Thermohygrometer	BZ20M Thermohygrometer	BZ21M Thermohygrometer	BZ22M Thermohygrometer	BZ25 CO ₂ Air quality monitor	BZ26 CO ₂ Air quality monitor
							
BZ30 CO ₂ Air quality data logger	BL30 Climate data logger	BG20 Carbon monoxide measuring device	BG30 Gas detector	BG40 Gas detector	BQ16 HCHO/TVOC measuring device	BQ21 Particle measuring device	BQ31 Long-term air quality monitor
							
BR16 Microwave radiation measuring device	BF06 Luxmeter	BF06WP Luxmeter	BS06 Sound level measuring device	BS30WP Sound level measuring device	BB20 Layer thickness measuring device	BB30 Layer thickness measuring device	

							
BD5A Cross line laser	BD6A Cross line laser	BD7A Rotary laser 360°	BD8A Rotary laser 4x360°	BD1L Laser spirit level	BD8M 3-in-1 Multifunction measuring device	BD11 Distance meter	BD16 Distance meter
							
BD21 Distance meter	BD22 Distance meter	BD26 Distance meter	BI15 Wall scanner	BI20 Wall scanner	UV-Torchlight 5F Ultraviolet LED torch	BH30 Socket hygromat	BN30 Socket thermostat
							
BN35 Radio-controlled socket thermostat	BX09 Energy cost measuring device	BX50 MID Energy consumption measuring device	BE14 Voltage detector	BE15 Voltage detector	BE16 Voltage detector	BE17 Voltage tester	BE20 Voltage tester
							
BE38 Clamp meter	BE40 Clamp meter	BE42 TRMS clamp meter	BE44 Clamp meter	BE47 Digital multimeter	BE49 Digital multimeter	BE50 Digital multimeter	BE52 Digital TRMS multimeter
							
BE60 TRMS multimeter with thermal imaging camera	B021 Videoscope	B022 Mini videoscope	B026 Videoscope				

 **TROTEC**



A Quick Guide to the Measurement Application Possibilities of the Measuring Devices in the MultiMeasure Basic Series



MultiMeasure Basic Measuring Device		BT20	BT22 WP	BT40	BP2F	BP5F	BP17	BP21	BP21 WP	BP25	BW05	BW10	BM12	BM18	BM22	BM22 WP	BM31	BM31 WP	BM40	BY10
appSensor	Smartphone control		■						■							■		■		
General use	For indoor use	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	For outdoor use	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Data logger function																			
Temperature	Liquid temperature	■	■	■	■	■						■								
	Bulk material temperature	■		■																
	Food temperature	■		■	■	■														
	Surface temperature				■	■	■	■	■	■										
	Dew point temperature									■										
	Wet bulb temperature																			
	Contact temperature	■		■	■	■														
	HI / WBGT																			
Thermal imaging function																				
Material moisture	Wood moisture												■	■	■	■				■
	Building moisture												■	■	■	■	■	■		■
Air flow	Air flow speed																			
	Air volume flow																			
Room climate and air quality	Relative humidity									■										
	Air temperature		■							■			■	■	■	■				■
	Saturation humidity																			
	Absolute humidity																			
	Dew point temperature																			
	Climate quality indication																			
	Air quality indication																			
Air pressure																				
Liquid analysis	Break fluid										■									
	pH value											■								
Emissions (gas, EMF, light, sound)	Carbon dioxide																			
	Carbon monoxide																			
	Methane and other flammable gase																			
	Microwave radiation																			
	Illumination level																			
	Sound level																			
	Particle concentration																			
	Formaldehyde																			
Volatile Organic Compounds (TVOC)																				
Pressure	Tyre pressure																			■
	Differential pressure																			
Planning and measuring	Coating thickness (car paint etc.)																			
	Distances																			
	Areas																			
	Room volumes																			
	Alignment and leveling																			
	Spirit level																			
	Measuring wheel																			
Measuring tape																				
Electricity	Energy consumption / Energy costs																			
	AC voltage																			
	DC voltage																			
	AC																			
	DC																			
	Polarity																			
	RCD test (FI)																			
	True RMS																			
Further electric parameters																				
Visual inspection	Endoscopic video inspections																			
	Photo / video documentation																			
Location and detection	Metals / Live cables																			
	Wood																			
	UV reflectors																			



A Quick Guide to the Measurement Application Possibilities of the Measuring Devices in the MultiMeasure Basic Series

BV15 WP	BA06	BA16	BA16 WP	BA30 WP	BC06	BC21	BC21 WP	BC25	BZ01	BZ05	BZ06	BZ07	BZ290S	BZ15C	BZ15M	BZ20M	BZ21M	BZ22M	MultiMeasure Basic Measuring Device		
■			■	■			■													Smartphone control	appSensor
■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	For indoor use	General use
■	■	■	■	■	■	■	■	■					■						For outdoor use		
																			Data logger function		
																				Liquid temperature	Temperature
																				Bulk material temperature	
																				Food temperature	
																				Surface temperature	
					■	■	■	■												Dew point temperature	
					■	■	■	■												Wet bulb temperature	
																				Contact temperature	
								■												HI / WBGT	
																				Thermal imaging function	Material moisture
																				Wood moisture	
■	■	■	■	■																Building moisture	Air flow
■		■	■	■																Air flow speed	
																				Air volume flow	Room climate and air quality
					■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	Relative humidity	
			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	Air temperature	
																				Saturation humidity	
																				Absolute humidity	
																				Dew point temperature	
									■			■	■	■	■	■				Climate quality indication	
																				Air quality indication	
																				Air pressure	Liquid analysis
																				Break fluid	
																				pH value	Emissions (gas, EMF, light, sound)
																				Carbon dioxide	
																				Carbon monoxide	
																				Methane and other flammable gas	
																				Microwave radiation	
																				Illumination level	
																				Sound level	
																				Particle concentration	
																				Formaldehyde	Pressure
																				Volatile Organic Compounds (TVOC)	
■																				Tyre pressure	
																				Differential pressure	
																				Coating thickness (car paint etc.)	Planning and measuring
																				Distances	
																				Areas	
																				Room volumes	
																				Alignment and leveling	
																				Spirit level	
																				Measuring wheel	Electricity
																				Measuring tape	
																				Energy consumption / Energy costs	Visual inspection
																				AC voltage	
																				DC voltage	
																				AC	
																				DC	
																				Polarity	
																				RCD test (FI)	
																				True RMS	
																				Further electric parameters	Location and detection
																				Endoscopic video inspections	
																				Photo / video documentation	
																				Metals / Live cables	
																				Wood	
																				UV reflectors	

A Quick Guide to the Measurement Application Possibilities of the Measuring Devices in the MultiMeasure Basic Series



MultiMeasure Basic Measuring Device		BZ25	BZ26	BZ30	BL30	BG30	BG40	BG20	BQ16	BQ21	BQ31	BR16	BF06	BF06 WP	BS06	BS30 WP	BB20	BB30	BD5A	BD6A	
appSensor	Smartphone control																				
General use	For indoor use	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	For outdoor use						■	■	■	■	■		■	■	■	■	■	■	■		
	Data logger function			■	■						■										
Temperature	Liquid temperature																				
	Bulk material temperature																				
	Food temperature																				
	Surface temperature																				
	Dew point temperature																				
	Wet bulb temperature																				
	Contact temperature																				
	HI / WBGT																				
Material moisture	Wood moisture																				
	Building moisture																				
Air flow	Air flow speed																				
	Air volume flow																				
Room climate and air quality	Relative humidity	■	■	■	■					■	■										
	Air temperature	■	■	■	■					■	■										
	Saturation humidity																				
	Absolute humidity																				
	Dew point temperature																				
	Climate quality indication						■														
	Air quality indication	■	■	■								■									
Air pressure																					
Liquid analysis	Break fluid																				
	pH value																				
Emissions (gas, EMF, light, sound)	Carbon dioxide	■	■	■							■										
	Carbon monoxide						■	■													
	Methane and other flammable gase					■	■														
	Microwave radiation											■									
	Illumination level												■	■							
	Sound level															■	■				
	Particle concentration										■	■									
	Formaldehyde						■			■											
Volatile Organic Compounds (TVOC)									■												
Pressure	Tyre pressure																				
	Differential pressure																				
Planning and measuring	Coating thickness (car paint etc.)																	■	■		
	Distances																				
	Areas																				
	Room volumes																				
	Alignment and leveling																			■	■
	Spirit level																				
	Measuring wheel																				
Electricity	Measuring tape																				
	Energy consumption / Energy costs																				
	AC voltage																				
	DC voltage																				
	AC																				
	DC																				
	Polarity																				
	RCD test (FI)																				
Visual inspection	True RMS																				
	Further electric parameters																				
	Endoscopic video inspections																				
Location and detection	Photo / video documentation																				
	Metals / Live cables																				
	Wood																				
	UV reflectors																				



A Quick Guide to the Measurement Application Possibilities of the Measuring Devices in the MultiMeasure Basic Series

BD7A	BD8A	BD1L	BD8M	BD11	BD16	BD21	BD22	BD26	BI15	BI20	UV5F	BH30	BN30	BN35	BX09	BX50 MID	BE14	BE15	MultiMeasure Basic Measuring Device	
																			Smartphone control	appSensor
■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■		■	■	General use
											■							■	■	
																				Temperature
																				Liquid temperature
																				Bulk material temperature
																				Food temperature
																				Surface temperature
																				Dew point temperature
																				Wet bulb temperature
																				Contact temperature
																				HI / WBGT
																				Thermal imaging function
																				Material moisture
																				Wood moisture
																				Building moisture
																				Air flow
																				Air flow speed
																				Air volume flow
												■								Room climate and air quality
													■	■	■					Relative humidity
																				Air temperature
																				Saturation humidity
																				Absolute humidity
																				Dew point temperature
																				Climate quality indication
																				Air quality indication
																				Air pressure
																				Liquid analysis
																				Break fluid
																				pH value
																				Emissions (gas, EMF, light, sound)
																				Carbon dioxide
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																				Coating thickness (car paint etc.)
																				Distances
																				Areas
																				Room volumes
■	■	■	■																	Alignment and leveling
																				Spirit level
																				Measuring wheel
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																				Energy consumption / Energy costs
																				AC voltage
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																				RCD test (FI)
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																				Location and detection
																				Metals / Live cables
																				Wood
																				UV reflectors

A Quick Guide to the Measurement Application Possibilities of the Measuring Devices in the MultiMeasure Basic Series



MultiMeasure Basic Measuring Device		BE16	BE17	BE20	BE38	BE40	BE42	BE44	BE47	BE49	BE50	BE52	BE60	B021	B022	B026
appSensor	Smartphone control															
General use	For indoor use	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	For outdoor use	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Data logger function															
Temperature	Liquid temperature															
	Bulk material temperature															
	Food temperature															
	Surface temperature												■			
	Dew point temperature															
	Wet bulb temperature															
	Contact temperature										■					
	HI / WBGT															
	Thermal imaging function												■			
Material moisture	Wood moisture															
	Building moisture															
Air flow	Air flow speed															
	Air volume flow															
Room climate and air quality	Relative humidity															
	Air temperature															
	Saturation humidity															
	Absolute humidity															
	Dew point temperature															
	Climate quality indication															
	Air quality indication															
	Air pressure															
Liquid analysis	Break fluid															
	pH value															
Emissions (gas, EMF, light, sound)	Carbon dioxide															
	Carbon monoxide															
	Methane and other flammable gase															
	Microwave radiation															
	Illumination level															
	Sound level															
	Particle concentration															
	Formaldehyde															
	Volatile Organic Compounds (TVOC)															
Pressure	Tyre pressure															
	Differential pressure															
Planning and measuring	Coating thickness (car paint etc.)															
	Distances															
	Areas															
	Room volumes															
	Alignment and leveling															
	Spirit level															
	Measuring wheel															
Measuring tape																
Electricity	Energy consumption / Energy costs															
	AC voltage	■	■	■	■	■	■	■	■	■	■	■	■			
	DC voltage		■	■	■	■	■	■	■	■	■	■	■			
	AC					■	■	■	■	■		■	■			
	DC							■	■	■		■	■			
	Polarity		■	■	■	■	■	■	■	■	■	■	■			
	RCD test (FI)		■													
	True RMS							■					■	■		
Further electric parameters				■	■	■	■	■	■	■	■	■				
Visual inspection	Endoscopic video inspections													■	■	■
	Photo / video documentation														■	■
Location and detection	Metals / Live cables															
	Wood															
	UV reflectors															

READY TO GO.

TOOLS BY TROTEC.



Strong in price and performance.

You have the ideas, we have the tools.

Regardless if you are screwing, drilling, sawing, cutting or sanding – the Trotec PowerTools are convincing in practice. You can rely on reliable brand quality, strong performance and an unmatched price-performance ratio in your work.

- Cordless Screwdriver
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- Cordless Rotary Hammers
- Rotary Hammers
- Drills
- Multifunctional Tools
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- Circular Saws
- Reciprocating Saws
- Planer
- Multifunction Grinder
- Belt Grinders
- Angle Grinder
- Hot Air Blowers
- Compressors
- Electric Stapler
- Hot Glue Guns
- Battery Work Lights
- Accessories and much more...

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AT WORK.

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BT20 Insertion thermometer

- Quick and easy core temperature measurements
- Broad measuring range
- Maximum, minimum value and hold function
- Easy handling and cleaning
- Rapid response time
- Soft-touch rubber protective cover
- Stainless steel measuring tip
- Automatic switch-off



BT22WP Thermometer

- Development, design, production: 100 % Trotec
- Quick and easy temperature measurement of air and liquids
- High-quality sensor technology and numerous measuring functions
- Intelligent combination of appSensor and the MultiMeasure Mobile app
- Maximum or minimum value and hold function
- Logging function
- Chart representation of measurement data
- Report generation
- Average value determination
- Alarm function
- Automatic switch-off
- Magnetic holder to allow for hands-free working
- Variety of further measuring and analysis functions
- Practice-optimized German industrial design – protected design patent



BT40 Barbeque thermometer

- Integrated cooking assistant for 8 preselectable types of meat or food
- Up to 5 cooking levels and individual target temperature selectable
- Acoustic signal and change of display colour when reaching the desired degree of doneness
- Radio range of up to 20 m
- Stainless steel measuring probe and cable suitable for temperatures of up to 250 °C
- Large and easy-to-read LCD display
- Stopwatch and timer function
- Hand-held receiver with magnetic holder and pocket clip
- Base station with magnetic holder and Velcro® strap



BP2F Food thermometer

- Infrared and insertion thermometer in one device
- Core temperature measurements from -40 °C to +200 °C – or up to +280 °C by non-contact infrared measurement
- 25 mm measuring spot Ø at a distance of 100 mm from the measuring object
- Retractable and lockable core temperature probe
- Robust washable IP65 construction
- Alarm function for maximum/minimum temperature limits
- Backlit display
- Integrated LED lamp
- Meets the specifications of the LFGB, §31 (German Food and Feed Code)
- Conforms with DIN 10955:2004
- Battery status indication



BP5F Food thermometer

- Development, design, production: 100 % Trotec
- Infrared and insertion thermometer in one device
- Core temperature measurements from -40 °C to +200 °C – or up to +280 °C by non-contact infrared measurement
- 5 mm measuring spot Ø at a distance of 100 mm from the measuring object
- Extremely compact due to retractable, lockable core temperature probe
- Robust washable IP65 construction
- Backlit display
- LED quick indicator lights for HACCP compliant temperature ranges
- Meets the specifications of the LFGB, §31 (German Food and Feed Code)
- Conforms with DIN 10955:2004
- Practice-optimized German industrial design – protected design patent



TEMPERATURE

Overview: Thermometers

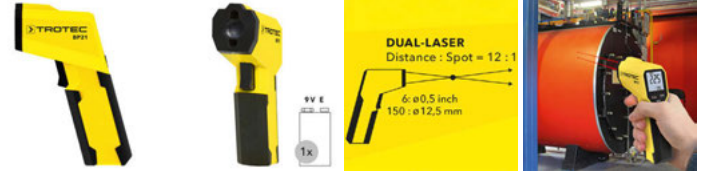


Technical data		BT20	BT22WP	BT40	BP2F	BP5F
Article number		3.510.205.001	3.510.205.009	3.510.205.007	3.510.003.017	3.510.003.020
Measuring range	Probe	-40 °C up to 250 °C / -40 °F up to 482 °F	-50 °C up to 150 °C / -58 °F up to 302 °F	0 °C up to 250 °C / 32 °F up to 482 °F	-40 °C up to 200 °C / -40 °F up to 392 °F	-40 °C up to 200 °C / -40 °F up to 392 °F
	Infrared	–	–	–	-40 °C up to 280 °C / -40 °F up to 536 °F	-40 °C up to 280 °C / -40 °F up to 536 °F
Accuracy	Probe	±1.5 % or ±2 °C / ±3.8 °F	±2 °C / ±3.6 °F (at < 0 °C) ±1 °C / ±1.8 °F (at ≥ 0 °C)	4 %	±2 °C (at ≤ 0 °C) ±1 °C / ±1 % (at 0 °C up to 200 °C)	±1 °C (at ≤ 65 °C) ±1 % (at > 65 °C)
	Infrared	–	–	–	±3 °C (at -40 °C up to 20 °C) ±1 °C (at ≥ 20 °C up to 280 °C)	±2 °C (at < -4 °C) ±1 °C (at -4 °C up to 65 °C) ±1.5 % (at > 65 °C)
Resolution		0.1 °C / 0.1 °F	0.1 °C / 0.1 °F	1 °C / 1 °F	–	–
Degree of emission		–	–	–	0.95	0.95
Response time		2 s	–	30 s	< 0.5 s	< 0.5 s
Data interface		–	Bluetooth 4.0	–	–	–
Range		–	–	max. 20 m	–	–
Optical resolution (D:S)		–	–	–	4:1	20:1
Type of protection		–	–	–	IP65	IP65
Power supply		1 x 1.5 V, LR44	3 x 1.5 V, AAA	4 x 1.5 V, AAA	2 x 1.5 V, AAA	1 x 9 V block battery
Dimensions		211 mm x 19 mm x 32 mm	22 mm x 36 mm x 223 mm	220 mm x 100 mm x 45 mm	140 mm x 24 mm x 38 mm	185 mm x 50 mm x 67 mm
Weight		40 g	90 g	200 g	150 g	180 g
Functions		BT20	BT22WP	BT40	BP2F	BP5F
MultiMeasure Mobile App necessary		–	■	–	–	–
MultiMeasure Mobile App compatible		–	■	–	–	–
Minimum value display		■	■	–	■	■
Maximum value display		■	■	–	■	■
Average value display		–	■	■	–	–
Hold function		■	■	■	■	■
Non-contact measurement		–	■	–	■	■
Switching function °C/°F		■	■	■	■	■
Representation of measurement data as chart or table		–	■	■	–	–
Data export		–	■	■	–	–
Report generation function		–	■	■	–	–
Backlit display		–	–	–	■	■
Cooking assistant		–	–	8-fold	–	–
Cooking levels		–	–	5	–	–
Display colour change function		–	–	■	–	–
Radio transmission		–	–	■	–	–
Stopwatch function		–	–	■	–	–
Alarm function		–	■	–	■	–
Acoustic alarm function		–	–	–	■	–
Alarm function with user-defined limit values		–	–	–	■	–
Timer function		–	–	■	–	■
Visual signal transmitter		–	–	■	–	–
Acoustic signal transmitter		–	–	■	–	–
HACCP quick indicator LED		–	–	–	–	■
Automatic switch-off		■	■	–	■	■
Battery status indication		–	■	–	■	–
Scope of delivery		BT20	BT22WP	BT40	BP2F	BP5F
Battery(-ies)		■	■	■	■	■
Protective cover for measuring tip		■	–	–	–	–
Magnetic holder		–	–	■	–	–
Velcro strap		–	–	■	–	–
Pocket clip		–	–	■	–	–
Stainless steel measuring probe with stainless steel connecting cable		–	–	■	–	–
Wrist strap		–	■	–	–	–
Optional accessories		BT20	BT22WP	BT40	BP2F	BP5F
Bag for WP-appSensors		–	3.510.206.090	–	–	–



BP17 Pyrometer

- Development, design, production: 100 % Trotec
- Non-contact surface temperature measurement from -50 °C to +380 °C
- Selectable visual targeting laser
- Measuring optic 10:1
- Acoustic and visual alarm when exceeding/falling below a preselectable temperature difference
- Selectable sensitivity levels: OFF / 1 °C / 3 °C / 5 °C
- Backlit display
- Battery status indication
- Automatic switch-off
- Practice-optimized German industrial design – protected design patent



BP21 Pyrometer

- Development, design, production: 100 % Trotec
- Non-contact surface temperature measurement from -35 °C to +800 °C
- Measuring spot diameter display due to on-demand dual laser
- Measuring optic 12:1
- Degree of emission freely adjustable from 0.1 to 1.0
- Maximum, minimum value and hold function
- Backlit display
- Alarm function
- Automatic switch-off
- Practice-optimized German industrial design – protected design patent



BP21WP Pyrometer

- Development, design, production: 100 % Trotec
- Non-contact surface temperature measurement from -30 °C to +250 °C
- Multi-point laser
- Measuring optic 10:1
- Maximum, minimum value and hold function
- High-quality sensor technology and numerous measuring functions
- Intelligent combination of appSensor and The MultiMeasure Mobile app
- Logging function
- Chart representation of measurement data
- Report generation
- Alarm function
- Automatic switch-off
- Magnetic holder to allow for hands-free working
- Variety of further measuring and analysis functions
- Practice-optimized German industrial design – protected design patent



BP25 Pyrometer (dew point scanner)

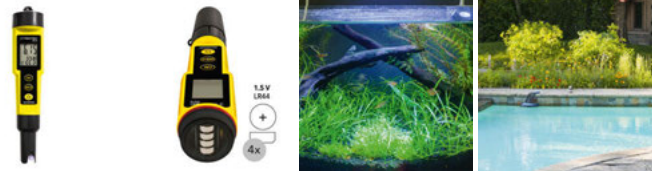
- Development, design, production: 100 % Trotec
- One device for measuring surface temperature, air temperature, relative humidity and dew point temperature
- Acoustic and visual dew point alarm
- Measuring spot diameter display due to on-demand dual laser
- Measuring optic 20:1
- Bar graph indicator for the quick identification of condensation risks
- Backlit display
- Battery status indication
- Automatic switch-off
- Practice-optimized German industrial design – protected design patent

TEMPERATURE

Overview: Pyrometers



Technical data		BP17	BP21	BP21WP	BP25
Article number		3.510.003.029	3.510.003.031	3.510.006.031	3.510.003.035
Surface temperature	Measuring range	-50 °C up to 380 °C / -58 °F up to 716 °F	-35 °C up to 800 °C / -31 °F up to 1,472 °F	-30 °C up to 250 °C / -22 °F up to 482 °F	-50 °C up to 260 °C / -58 °F up to 500 °F
	Accuracy	±2 °C/±2% (at >0 °C) ±3 °C (at ≤0 °C)	±2 °C or ±2% of measured value	±3 °C (at >0 °C) ±2 °C/±2% (at ≤0 °C)	±3.5 °C (at <20 °C) ±1.5 °C/1% (at ≥20 °C)
Air temperature	Measuring range	–	–	–	0 °C up to 50 °C / 32 °F up to 122 °F
	Accuracy	–	–	–	±1 °C (at 10 °C up to 40 °C) ±1.5 °C (at <10 °C, >40 °C)
Humidity	Measuring range	–	–	–	0% RH up to 100% RH
	Accuracy	–	–	–	±3.5% (20% RH up to 80% RH)
Dew point temperature	Measuring range	–	–	–	-30 °C up to 100 °C / -22 °F up to 212 °F
	Accuracy	–	–	–	±2.0 %
Resolution		0.1 °C / 0.1 °F	0.1 °C / 0.1 °F	0.1 °C / 0.1 °F	–
Smallest measuring spot		Ø 12.7 mm (Distance 127 mm)	Ø 12.5 mm (Distance 150 mm)	Ø 12.7 mm (Distance 254 mm)	Ø 25.4 mm (Distance 508 mm)
Degree of emission		0.95	0.1 up to 1.0	0.95	0.95
Response time		< 0.5 s	0.3 s	0.3 s	< 0.15 s
Data interface		–	–	Bluetooth 4.0	–
Spectral sensitivity		8 - 14 µm	8 - 14 µm	8 - 14 µm	8 - 14 µm
Optical resolution (D:S)		10:1	12:1	10:1	20:1
Power supply		1 x 9 V block battery	1 x 9 V block battery	3 x 1.5 V, AAA	1 x 9 V block battery
Dimensions		130 mm x 45 mm x 149 mm	150 mm x 45 mm x 108 mm	24,3 mm x 37 mm x 150.5 mm	168 mm x 58 mm x 82 mm
Weight		190 g	177 g	110 g	163 g
Functions		BP17	BP21	BP21WP	BP25
MultiMeasure Mobile App necessary		–	–	■	–
MultiMeasure Mobile App compatible		–	–	■	–
Minimum value display		–	■	■	–
Maximum value display		–	■	■	–
Average value display		–	–	■	–
Hold function		–	■	■	–
Long-term measurement function		–	–	■	–
Bar graph indicator for the quick identification of condensation risks		–	–	–	■
Non-contact measurement		■	■	■	■
Switching function °C/°F		■	■	■	■
Automatic reference temperature		■	–	–	–
Non-stop measuring function		–	■	–	–
Representation of measurement data as chart, matrix or table		–	–	■	–
Data export		–	–	■	–
Report generation function		–	–	■	–
Backlit display		■	■	–	■
Selectable single laser pointer		■	–	–	–
Selectable dual laser		–	■	–	■
Multi-point laser aiming aid		–	–	■	–
Visual signal transmitter		■	–	–	–
Acoustic signal transmitter		■	–	–	–
Alarm function		–	–	■	–
Alarm function with user-defined limit values		–	■	–	–
Acoustic alarm function		–	■	–	–
Acoustic dew point alarm		–	–	–	■
Visual dew point alarm		–	–	–	■
Automatic switch-off		■	■	■	■
Battery status indication		■	–	■	■
Scope of delivery		BP17	BP21	BP21WP	BP25
Battery(-ies)		■	■	■	■
Bag/Holster		■	■	–	■
Wrist strap		–	–	■	–
Optional accessories		BP17	BP21	BP21WP	BP25
Bag for WP-appSensors		–	–	3.510.206.090	–



BW05 Brake fluid tester

- Suitable for cars, motorcycles and trucks
- Automatic switch-off
- Checking the water concentration in brake fluids of type DOT3, DOT4 and DOT5.1 in a matter of seconds
- Self-explanatory LED status indication based on the traffic light principle
- Simple application
- No expert knowledge required
- Compact pen-shaped design with pocket clip
- Battery change indicator

BW10 pH measuring device

- Two-line display for the simultaneous indication of pH value and water temperature
- Automatic temperature compensation (ATC) for precise measurements, when the liquids to be tested have different temperatures
- Three-point calibration ex factory
- Automatic calibration for pH 4.01/7.00/10.01
- Easily exchangeable pH electrode
- Hold function
- Incl. pH buffer solution set (4.01/7.00/10.01) and protective cap
- Automatic switch-off

Overview: Brake fluid tester / pH measuring device



Technical data		BW05	BW10
Article number		3.510.205.805	3.510.205.810
Brake fluids		DOT3, DOT4, DOT5.1	–
pH value	Measuring range	–	0.00 pH up to 14.00 pH
	Accuracy	–	±0.02 pH
	Resolution	–	0.01 pH
Temperature	Measuring range	–	0 °C up to 50 °C / 32 °F up to 122 °F
	Accuracy	–	±0.2 °C / ±2 °F
	Resolution	–	0.1 °C / 1 °F
Display		–	LCD
Type of protection		–	IP65
Power supply		3 x 1.5 V, LR44	4 x 1.5 V, LR44
Dimensions		25 mm x 25 mm x 167,5 mm	188 mm x 38 mm x 38 mm
Weight		32 g	83 g
Functions		BW05	BW10
Brake fluid test for DOT3, DOT4 and DOT5.1 (traffic light principle)		■	–
Visual alarm		■	–
Hold function		–	■
Switching function °C/°F		–	■
Exchangeable pH electrode		–	■
Dual display of pH value and water temperature		–	■
Automatic temperature compensation		–	■
Auto calibration function for pH 4.01/7.00/10.01		–	■
Automatic switch-off		■	■
Automatic battery test		■	–
Scope of delivery		BW05	BW10
Battery(-ies)		■	■
pH buffer solution set (4.01/7.00/10.01)		–	■



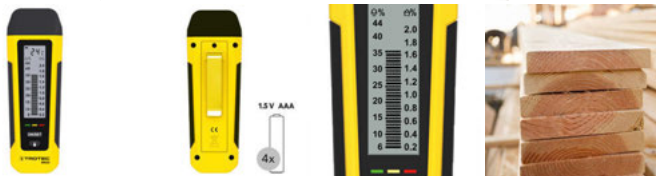
BM12 Moisture measuring device

- Wood and material moisture measurement with one device
- With protective cap
- Ready for immediate use
- Ambient temperature indication either in °C or in °F
- Calibration curve for common types of wood
- Easily changeable steel insertion measuring pins
- Direct display of measured values in %
- Mode selection key
- Battery status indication
- Automatic switch-off



BM18 Moisture measuring device

- Wood and material moisture measurement with one device
- With protective cap
- Ready for immediate use
- Ambient temperature indication either in °C or in °F
- Calibration curve for common types of wood
- Incl. LED moisture indicator
- Simple handling via one button
- Easily changeable steel insertion measuring pins
- Direct display of measured values in %
- Mode selection key
- Battery status indication
- Automatic switch-off



BM22 Moisture measuring device

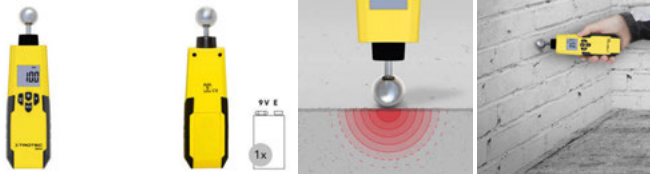
- Development, design, production: 100 % Trotec
- Wood and material moisture measurement with one device
- Double scale for wood moisture and material moisture
- Incl. protective cap with integrated testing function
- Ready for immediate use
- Ambient temperature indication either in °C or in °F
- Calibration curve for common types of wood
- Incl. LED moisture indicator
- Integrated LED torch
- Easily changeable steel insertion measuring pins
- Direct display of measured values in %
- Automatic testing of functions and battery
- Pocket clip
- Automatic switch-off
- Practice-optimized German industrial design – protected design patent

* BM22WP Adapter cap available as an optional accessory



BM22WP Moisture measuring device

- Development, design, production: 100 % Trotec
- Wood and material moisture measurement with one device
- High-quality sensor technology and numerous measuring functions
- Intelligent combination of appSensor and The MultiMeasure Mobile app
- Incl. protective cap with integrated testing function
- Logging function
- Chart representation of measurement data
- Report generation
- Easily changeable steel insertion measuring pins
- Automatic testing of functions and battery
- Alarm function
- Automatic switch-off
- Variety of further measuring and analysis functions
- Practice-optimized German industrial design – protected design patent



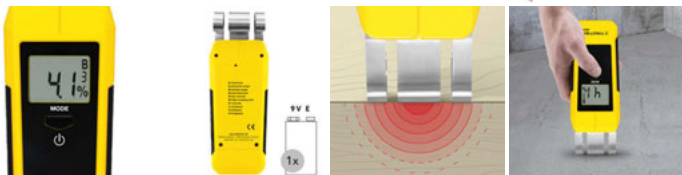
BM31 Moisture indicator

- Development, design, production: 100 % Trotec
- Quick and non-destructive indication of moisture distributions in near-surface areas
- Useful pre-examination tool for CM measurements
- Maximum, minimum value and hold function
- Automatic testing of functions and batteries
- Ready for immediate use
- Backlit display
- Automatic switch-off
- Practice-optimized German industrial design – protected design patent



BM31WP Moisture indicator

- Development, design, production: 100 % Trotec
- Quick and non-destructive indication of moisture distributions in near-surface areas
- Useful pre-examination tool for CM measurements
- Intelligent combination of appSensor and The MultiMeasure Mobile app
- Maximum, minimum value and hold function
- Logging function
- Chart representation of measurement data
- Report generation
- Alarm function
- Auto calibration function upon switch-on
- Automatic switch-off
- Variety of further measuring and analysis functions
- Practice-optimized German industrial design – protected design patent



BM40 Moisture measuring device

- Development, design, production: 100 % Trotec
- Quick and non-destructive moisture measurement in mineral building materials and wood
- 10 selectable material curves for the most important types of wood and building materials
- Incl. ambient temperature measurement
- Simple handling via one button
- Direct display of measured values in %
- Battery status indication
- Automatic switch-off
- Practice-optimized German industrial design – protected design patent



Overview:
Moisture measuring devices



Technical data		BM12	BM18	BM22	BM22WP
Article number		3.510.205.022	3.510.205.023	3.510.205.025	3.510.206.025
Measuring principle		Resistance measuring method	Resistance measuring method	Resistance measuring method	Resistance measuring method
Electrode length		approx. 8 mm	approx. 8 mm	approx. 8 mm	approx. 8 mm
Electrodes		Integrated, replaceable	Integrated, replaceable	Integrated, replaceable	replaceable
Wood moisture	Measuring range	6 % up to 44 %	6 % up to 60 %	6 % up to 44 %	6 % up to 50 %
	Accuracy	approx. ±2 %	±2 % (at < 30 %) ±4 % (at ≥ 30 %)	±2 % (at < 30 %) ±4 % (at ≥ 30 %)	approx. ±2 %
	Resolution	1 %	1 %	1 %	1 %
Building moisture	Measuring range	approx. 0.2 % up to 2 %	approx. 0.2 % up to 2.9 %	approx. 0.2 % up to 2 %	approx. 0.2 % up to 2.4 %
	Accuracy	approx. ±0.2 %	±0.1 % (at < 1.4 %) ±0.2 % (at ≥ 1.4 %)	±0.1 % (at < 1.4 %) ±0.2 % (at ≥ 1.4 %)	approx. ±0.2 %
	Resolution	0.1 %	0.1 %	0.05 %	0.05 %
Temperature	Measuring range	0 °C up to 50 °C / 32 °F up to 122 °F	0 °C up to 40 °C / 32 °F up to 99 °F	0 °C up to 40 °C / 32 °F up to 104 °F	–
	Accuracy	approx. ±1 °C	Not specified	Not specified	–
	Resolution	1 °C / 2 °F	1 °C / 2 °F	1 °C / 2 °F	–
Surrounding conditions		0 °C up to 50 °C / 0 % RH up to 85 % RH	0 °C up to 40 °C / 0 % RH up to 85 % RH	0 °C up to 40 °C / 0 % RH up to 85 % RH	-20 °C up to 60 °C (at < 80 %)
Data interface		–	–	–	Bluetooth 4.0
Power supply		4 x 1.5 V, LR44	1 x 9 V block battery	4 x 1.5 V, AAA	3 x 1.5 V, AAA
Dimensions		96 mm x 20 mm x 40 mm	122 mm x 45 mm x 51 mm	155 mm x 34 mm x 52 mm	22 mm x 33 mm x 140 mm
Weight		83 g	115 g	135 g	103 g
Functions		BM12	BM18	BM22	BM22WP
MultiMeasure Mobile App necessary		–	–	–	■
MultiMeasure Mobile App compatible		–	–	–	■
Minimum value display		–	–	–	■
Maximum value display		–	–	–	■
Average value display		–	–	–	■
Hold function		–	■	–	■
Long-term measurement function		–	–	–	■
Material selection		■	■	–	–
Non-destructive measurement method		–	–	–	–
LED moisture indicator		–	■	■	–
Switching function °C/°F		■	■	■	–
Representation of measurement data as chart, matrix or table		–	–	–	■
Data export		–	–	–	■
Report generation function		–	–	–	■
Backlit LCD display		■	–	–	–
Backlit display		–	■	–	–
Alarm function		–	–	–	■
Automatic functional test		–	–	■	–
Automatic battery test		–	–	■	–
Belt clip		–	–	■	–
Automatic switch-off		■	■	■	■
Battery status indication		■	■	–	■
Scope of delivery		BM12	BM18	BM22	BM22WP
Battery(-ies)		■	■	■	■
Protective cap		■	■	■	■
Electrode tips (2.2 x 8 mm)		■	■	■	■
Wrist strap		–	–	–	■
Optional accessories		BM12	BM18	BM22	BM22WP
Bag for WP-appSensors		–	–	–	3.510.206.090
Adapter cap		–	–	–	3.510.206.091

Overview:
Moisture measuring devices



Technical data		BM31	BM31WP	BM40
Article number		3.510.205.031	3.510.206.031	3.510.205.035
Measuring principle		Dielectric/capacitive	Dielectric/capacitive	Dielectric/capacitive
Electrode length		–	–	approx. 40 mm
Measuring range		0 Digit up to 100 Digit	0 Digit up to 100 Digit	–
Resolution		1 Digit	0.1 Digit	–
Penetration depth		5 mm up to 40 mm	40 mm	0 mm up to 50 mm
Measuring range	Solid brick	–	–	0 % up to 20 %
	Anhydrite screed	–	–	0 % up to 20 %
	Cement screed	–	–	0 % up to 20 %
	Sand-lime brick	–	–	0 % up to 20 %
	Gas concrete	–	–	0 % up to 20 %
	High-insulating brick	–	–	0 % up to 20 %
	Concrete	–	–	0 % up to 20 %
	Hardwood	–	–	0 % up to 50 %
	Softwood	–	–	0 % up to 50 %
	Chipboard	–	–	0 % up to 50 %
Resolution	Temperature	–	–	-10 °C up to 55 °C
	Wood	–	–	0.1 %
	Mineral building materials	–	–	0.1 %
Surrounding conditions		–	–	-5 °C up to 50 °C / 85 % RH
Data interface		–	Bluetooth 4.0	–
Power supply		1 x 9 V block battery	2 x 1.5 V, AAA	1 x 9 V block battery
Dimensions		180 mm x 35 mm x 45 mm	22 mm x 36 mm x 160 mm	168 mm x 35 mm x 75 mm
Weight		180 g	93 g	220 g
Functions		BM31	BM31WP	BM40
MultiMeasure Mobile App necessary		–	■	–
MultiMeasure Mobile App compatible		–	■	–
Minimum value display		■	■	–
Maximum value display		■	■	–
Average value display		–	■	–
Hold function		■	■	–
Long-term measurement function		–	■	–
Material selection		–	–	■
Non-destructive measurement method		–	–	■
LED moisture indicator		–	–	–
Switching function °C/°F		–	–	–
Representation of measurement data as chart, matrix or table		–	■	–
Data export		–	■	–
Report generation function		–	■	–
Backlit LCD display		–	–	–
Backlit display		■	–	–
Alarm function		–	■	–
Automatic functional test		–	–	–
Automatic battery test		–	–	–
Belt clip		–	–	–
Automatic switch-off		■	■	■
Battery status indication		–	■	■
Scope of delivery		BM31	BM31WP	BM40
Battery(-ies)		■	■	■
Wrist strap		–	■	–
Optional accessories		BM31	BM31WP	BM40
Bag for WP-appSensors		–	3.510.206.090	–



BY10 Tyre pressure meter

- Digital measuring device for quick and precise tyre pressure control
- Simple reading of measured values due to large LCD display
- Suitable for all valves
- Integrated torch
- Automatic switch-off

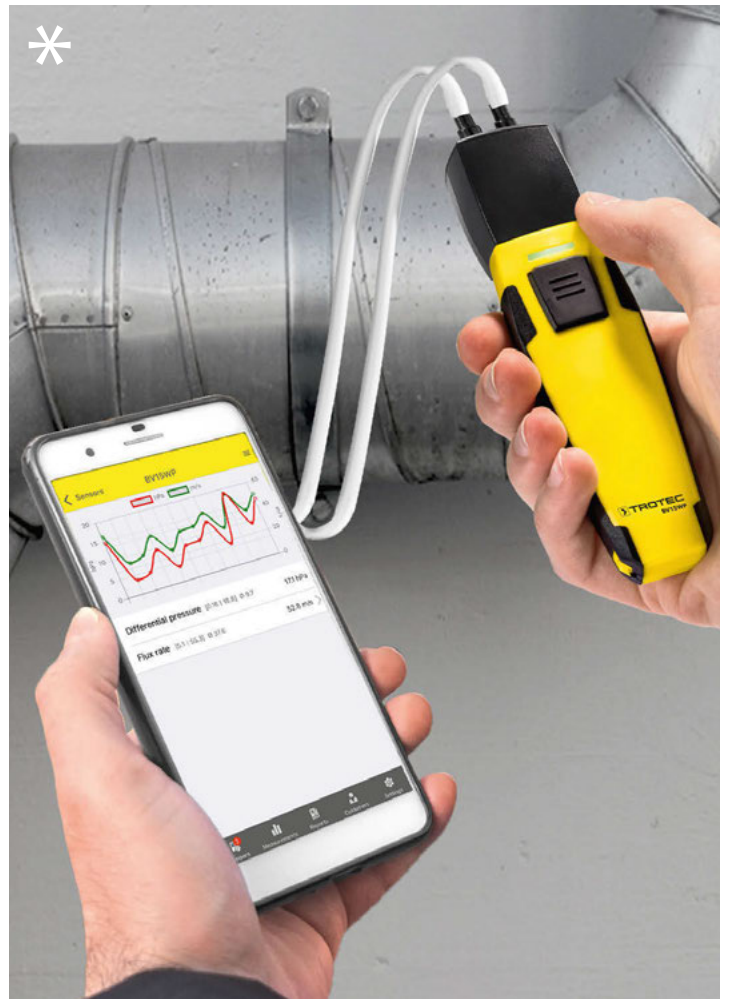


* Prior tube available as an optional accessory



BV15WP Differential pressure measuring device

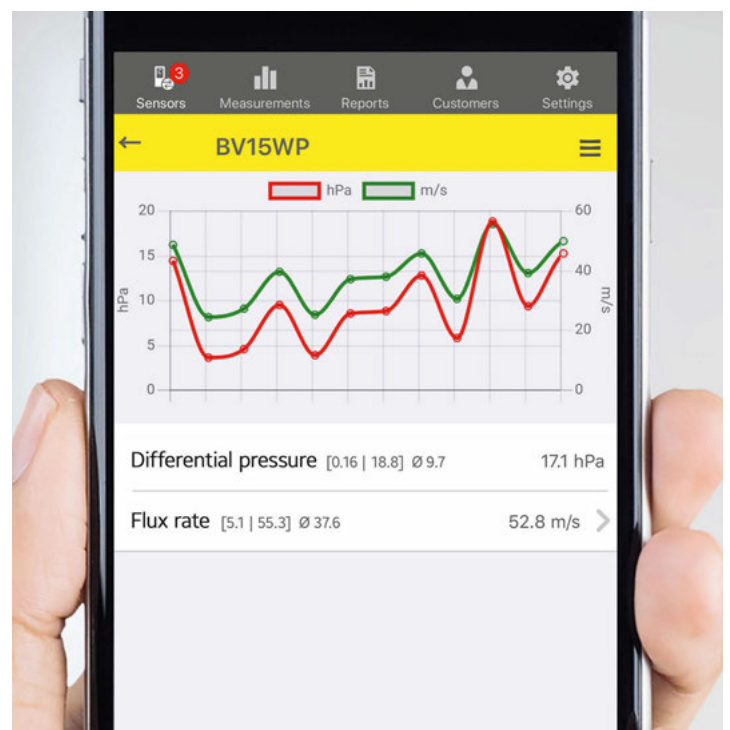
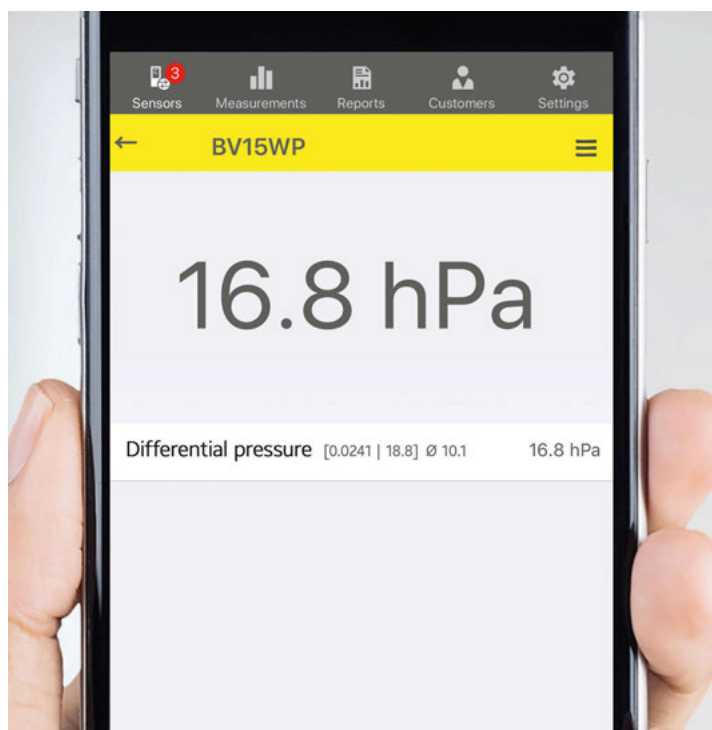
- Development, design, production: 100 % Trotec
- Quick and easy measurement of differential pressure and air current
- Anemometer function
- High-quality sensor technology and numerous measuring functions
- Intelligent combination of appSensor and the MultiMeasure Mobile app
- Maximum or minimum value and hold function
- Logging function
- Chart representation of measurement data
- Report generation
- Average value determination
- Alarm function
- Automatic switch-off
- Magnetic holder to allow for hands-free working
- Variety of further measuring and analysis functions
- Practice-optimized German industrial design – protected design patent



Overview:
**Tyre pressure meter /
 Differential pressure measuring device**



Technical data		BY10	BV15WP
Article number		3.510.205.910	3.510.206.061
Tyre pressure	Measuring range	0.35 bar up to 6.9 bar 5 psi up to 100 psi 35 kPa up to 690 kPa	—
	Accuracy	±1%	—
Differential pressure	Measuring range	—	0 hPa up to 150 hPa
	Accuracy	—	±0.05 hPa (0 - 1.00 hPa) ±0.2 hPa + 1.5% of the display value (1.00 - 150 hPa)
	Resolution	—	0.01 hPa
Air current	Measuring range	—	0 m/s up to 50 m/s
	Accuracy	—	±5% of the display value @ 10.0 m/s
	Resolution	—	0.1 m/s
Display		LCD with three-digit measured value display	
Data interface		—	Bluetooth 4.0
Power supply		2 x 1.5 V, AAA	3 x 1.5 V, AAA
Dimensions		156 mm x 20 mm x 42 mm	22 mm x 36 mm x 158 mm
Weight		82 g	120 g
Functions		BY10	BV15WP
Switching function bar/psi/kPa		■	—
Integrated torch		■	—
Minimum value display		—	■
Maximum value display		—	■
Average value display		—	■
Hold function		—	■
Representation of measurement data as chart or table		—	■
Data export		—	■
Report generation function		—	■
Alarm function		—	■
Automatic switch-off		■	■
Battery status indication		—	■
Scope of delivery		BY10	BV15WP
Battery(-ies)		■	■
Magnetic holder		—	■
Wrist strap		—	■
Optional accessories		BY10	BV15WP
Bag for WP-appSensors		—	3.510.206.090
Pitot tube		—	3.510.206.062





BA06 Vane anemometer

- Development, design, production: 100 % Trotec
- Quick and easy flow rate measurement of wind, air or gases
- Display maximum and average value
- Easy one-hand operation
- Magnet vane
- Sensor-controlled display illumination in poor lighting conditions
- Automatic switch-off
- Integrated ¼ inch tripod thread
- Practice-optimized German industrial design – protected design patent



BA16 Vane anemometer

- Development, design, production: 100 % Trotec
- Practice-optimized German industrial design – protected design patent
- Quick and easy measurement of air velocity, air temperature and air volume flow (CMM)
- Maximum, minimum value and hold function
- Semi-rigid gooseneck probe of 40 cm length
- Backlit display
- Soft-touch function keys
- Automatic switch-off



BA16WP Vane anemometer

- Development, design, production: 100 % Trotec
- Quick and easy measurement of air velocity, air temperature and air volume flow (CMM)
- High-quality sensor technology and numerous measuring functions
- Intelligent combination of appSensor and The MultiMeasure Mobile app
- Maximum, minimum value and hold function
- Logging function
- Chart representation of measurement data
- Report generation
- Average value determination
- Alarm function
- Automatic switch-off
- Magnetic holder to allow for hands-free working
- Variety of further measuring and analysis functions
- Practice-optimized German industrial design – protected design patent



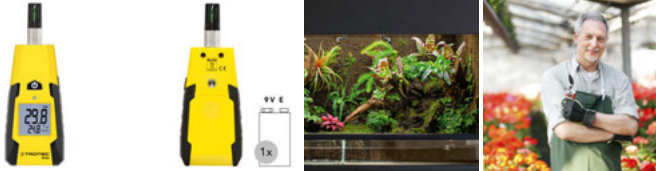
BA30WP Hot-wire anemometer

- Development, design, production: 100 % Trotec
- Quick and easy measurement of air velocity, air temperature and air volume flow (CMM)
- High-quality sensor technology and numerous measuring functions
- Intelligent combination of appSensor and The MultiMeasure Mobile app
- Maximum, minimum value and hold function
- Logging function
- Chart representation of measurement data
- Report generation
- Average value determination
- Extendable telescopic probe of 375 mm
- Alarm function
- Automatic switch-off
- Magnetic holder to allow for hands-free working
- Variety of further measuring and analysis functions
- Practice-optimized German industrial design – protected design patent

Overview:
Air flow meters



Technical data		BA06	BA16	BA16WP	BA30WP
Article number		3.510.205.042	3.510.205.43	3.510.206.042	3.510.206.043
Air flow rate	Measuring range	1.1 m/s up to 30 m/s 0.8 km/h up to 108 km/h 80 ft/min up to 5,900 ft/min 0.9 mph up to 67 mph 0.8 kn up to 58 kn	1 m/s up to 30 m/s 3.6 km/h up to 108 km/h 196 ft/min up to 5,900 ft/min 2.2 mph up to 67 mph 1.9 kn up to 58 kn	0.6 m/s up to 30 m/s 2.2 km/h up to 108 km/h 118 ft/min up to 5,905 ft/min 1.3 mph up to 67 mph 1.2 kn up to 58 kn	0 m/s up to 30 m/s 0 km/h up to 108 km/h 0 ft/min up to 5,900 ft/min 0 mph up to 67 mph 0 kn up to 58 kn
	Accuracy	±(3 % + 0.3 m/s) ±(3 % + 1 km/h) ±(3 % + 40 ft/min) ±(3 % + 0.4 mph) ±(3 % + 0.4 kn)	±(3 % + 0.2 m/s) ±(3 % + 0.8 km/h) ±(3 % + 40 ft/min) ±(3 % + 0.4 mph) ±(3 % + 0.4 kn)	±(3.5 % + 0.2 m/s) ±(3.5 % + 0.7 km/h) ±(3.5 % + 39 ft/min) ±(3.5 % + 0.4 mph) ±(3.5 % + 0.4 kn)	±(5 % + 0.1 m/s) at < 5 m/s ±(5 % + 0.3 m/s) at ≥ 5 m/s
	Resolution	0.01 m/s; 0.1 km/h; 1 ft/min; 0.1 mph; 0.1 kn	0.01 m/s; 0.1 km/h; 1 ft/min; 0.1 mph; 0.1 kn	0.1 m/s; 0.1 km/h; 1 ft/min; 0.1 mph; 0.1 kn	0.01 m/s; 0.1 km/h; 1 ft/min; 0.1 mph; 0.1 kn
Volumetric flow	Measuring range	—	0 m³/min up to 999.9 m³/min (CMM)	—	—
	Resolution	—	0.1 m³/min (CMM)	—	—
Temperature	Measuring range	—	-10 °C up to 60 °C / 14 °F up to 140 °F	-20 °C up to 60 °C / -4 °F up to 140 °F	-20 °C up to 60 °C / -4 °F up to 140 °F
	Accuracy	—	±1.5 °C / ±3 °F	±0.8 °C (at < 0 °C) ±0.5 °C (at ≥ 0 °C)	±0.8 °C (at -20 up to 0 °C) ±0.5 °C (at 0 up to 60 °C)
	Resolution	—	0.1 °C / 0.1 °F	0.1 °C / 0.1 °F	0.1 °C / 0.1 °F
Humidity	Measuring range	—	—	0 % RH up to 100 % RH	0 % RH up to 99.9 % RH
	Accuracy	—	—	±3.5 % RH (at 20 % up to 80 % RH) ±5 % RH (at 0 % up to 20 % and 80 % up to 100 % RH)	±3.5 % RH (at 20 % up to 80 % RH) ±5 % RH (at 0 % up to 20 % and 80 % up to 100 % RH)
	Resolution	—	—	0.1 % RH	0.1 % RH
Gooseneck probe		—	Length approx. 40 cm	—	—
Telescopic probe		—	—	—	Length approx. 170 up to 375 mm
Data interface		—	—	Bluetooth 4.0	Bluetooth 4.0
Power supply		1 x 9 V block battery	1 x 9 V block battery	3 x 1.5 V, AAA	3 x 1.5 V, AAA
Dimensions		167 mm x 34 mm x 56 mm	165 mm x 32 mm x 54 mm	22 mm x 43 mm x 158 mm	22 mm x 36 mm x 320/555 mm
Weight		139 g	270 g	122 g	122 g
Functions		BA06	BA16	BA16WP	BA30WP
MultiMeasure Mobile App necessary		—	—	■	■
MultiMeasure Mobile App compatible		—	—	■	■
Minimum value display		—	■	■	■
Maximum value display		■	■	■	■
Average value display		■	—	■	■
Hold function		—	■	■	■
Long-term measurement function		—	—	—	■
Measuring units		m/s, km/h, ft/min, mph, kn	m/s, km/h, ft/min, mph, kn, m³/min (CMM)	m/s, km/h, m³/min, ft/min, ft³/min, mph, kn	m/s, km/h, m³/min, ft/min, ft³/min, mph, kn
Sensor-controlled display illumination		■	—	—	—
¼ inch tripod thread		■	—	—	—
Switching function °C/°F		—	■	■	■
Representation of measurement data as chart or table		—	—	■	■
Data export		—	—	■	■
Report generation function		—	—	■	■
Backlit LCD display		—	—	—	—
Backlit display		—	■	—	—
Alarm function		—	—	■	■
Extendable telescopic probe		—	—	—	■
Automatic switch-off		■	■	■	■
Battery status indication		—	—	■	■
Scope of delivery		BA06	BA16	BA16WP	BA30WP
Battery(-ies)		■	■	■	■
Bag/Holster		■	—	—	—
Storage case		—	■	—	—
Magnetic holder		—	—	■	■
Wrist strap		—	—	■	■
Optional accessories		BA06	BA16	BA16WP	BA30WP
Universal tripod		6.300.000.200	—	—	—
Combination bracket with universal clamp		6.300.000.201	—	—	—
Bag for WP-appSensors		—	—	3.510.206.090	3.510.206.090



BC06 Thermohygrometer

- Development, design, production: 100 % Trotec
- Measurement of diverse climate data with only one device: relative humidity, air temperature, dew point and wet-bulb temperature
- Dual display for parallel presentation of additional measured values
- Maximum, minimum value and hold function
- Easy one-hand operation
- Sensor-controlled display illumination in poor lighting conditions
- Automatic switch-off
- Integrated ¼ inch tripod thread
- Practice-optimized German industrial design – protected design patent



BC21 Thermohygrometer

- Development, design, production: 100 % Trotec
- Measurement of diverse climate data with only one device: relative humidity, air temperature, dew point and wet-bulb temperature
- Dual display for parallel presentation of additional measured values
- Maximum, minimum value and hold function
- Rapid response time
- Soft-touch function keys
- Easy one-hand operation
- Backlit display
- Automatic switch-off
- Robust design
- Practice-optimized German industrial design – protected design patent



BC21WP Thermohygrometer

- Development, design, production: 100 % Trotec
- Measurement of diverse climate data with only one device: relative humidity, air temperature, dew point and wet-bulb temperature
- High-quality sensor technology and numerous measuring functions
- Intelligent combination of appSensor and The MultiMeasure Mobile app
- Maximum, minimum value and hold function
- Logging function
- Chart representation of measurement data
- Report generation
- Rapid response time
- Alarm function
- Automatic switch-off
- Magnetic holder to allow for hands-free working
- Variety of further measuring and analysis functions
- Practice-optimized German industrial design – protected design patent



BC25 Thermohygrometer

- Determination of climate parameters °C/°F, %RH, dew point, wet-bulb temperature, heat index (HI), apparent temperature (WBGT)
- Alarm function for heat index (HI) and apparent temperature (WBGT)
- Display of minimum, maximum and average values
- Large and easy-to-read LCD display
- Hold function
- Automatic switch-off

Overview:
Thermohygrometers



Technical data		BC06	BC21	BC21WP	BC25
Article number		3.510.205.005	3.510.205.006	3.510.206.006	3.510.205.008
Air temperature	Measuring range	-20 °C up to 60 °C / -4 °F up to 140 °F	-30 °C up to 100 °C / -22 °F up to 199 °F	-20 °C up to 60 °C / -4 °F up to 140 °F	-20 °C up to 50 °C / -4 °F up to 122 °F
	Accuracy	±2 °C / ±1.5 °F (at -20 °C up to 0 °C) ±1 °C / ±1.5 °F (at 0 °C up to 40 °C) ±2 °C / ±1.5 °F (at 40 °C up to 60 °C)	±1 °C / ±1.5 °F	±0.8 °C (at -20 °C up to 0 °C) ±0.5 °C (at 0 °C up to 60 °C)	±0.6 °C
	Resolution	0.1 °C / 0.1 °F	0.01 °C / 0.01 °F	0.1 °C / 0.1 °F	0.1 °C / 0.1 °F
Humidity	Measuring range	0% RH up to 100% RH	0% RH up to 100% RH (Specified 5% RH up to 95% RH)	0% RH up to 100% RH (Specified 5% RH up to 95% RH)	0% RH up to 99.9% RH
	Accuracy	±3.5% RH (at 20% up to 80% RH) ±5% RH (at 0% up to 20% and 80% up to 100% RH)	±2% RH at 25 °C and 5% RH up to 95% RH	±3.5% RH (at 20% RH up to 80% RH) ±5% RH (at 0% RH up to 20% RH) ±5% RH (at 80% RH up to 100% RH)	±3% RH (at 10% RH up to 90% RH) ±5% RH (at 0% RH up to 10% RH) ±5% RH (at 90% RH up to 99.9% RH)
	Resolution	0.1% RH	0.01% RH	0.1% RH	0.1% RH
Dew point temperature	Measuring range	0 °C up to 50 °C / 32 °F up to 122 °F	-30 °C up to 100 °C / -22 °F up to 199 °F	—	—
	Accuracy	±2 °C / ±3.6 °F	±1 °C / ±1.5 °F	—	—
	Resolution	0.1 °C / 0.1 °F	0.01 °C / 0.01 °F	—	—
Wet-bulb temperature (Cooling limit temperature)	Measuring range	0 °C up to 50 °C / 32 °F up to 122 °F	0 °C up to 80 °C / 32 °F up to 176 °F	—	—
	Accuracy	±2 °C / ±3.6 °F	±1 °C / ±1.5 °F	—	—
	Resolution	0.1 °C / 0.1 °F	0.01 °C / 0.01 °F	—	—
Data interface	—	—	Bluetooth 4.0	—	
Power supply	1 x 9 V block battery	1 x 9 V block battery	3 x 1.5 V, AAA	1 x 3 V, CR2032	
Dimensions	146 mm x 34 mm x 56 mm	225 mm x 32 mm x 54 mm	22 mm x 32 mm x 226 mm	142 mm x 20 mm x 36 mm	
Weight	145 g	200 g	180 g	52 g	
Functions	BC06	BC21	BC21WP	BC25	
MultiMeasure Mobile App necessary	—	—	■	—	
MultiMeasure Mobile App compatible	—	—	■	—	
Minimum value display	■	■	■	■	
Maximum value display	■	■	■	■	
Average value display	—	—	■	■	
Hold function	■	■	■	■	
Long-term measurement function	—	—	■	—	
Dew point	—	—	■	—	
Critical dew point	—	—	■	—	
Absolute humidity [g/m³]	—	—	■	—	
Specific humidity [g/gk]	—	—	■	—	
Heat index (HI)	—	—	—	■	
Perceived temperature (WBGT)	—	—	—	■	
Wet-bulb temperature	—	—	—	■	
Switching function °C/°F	■	■	■	■	
Representation of measurement data as chart or table	—	—	■	—	
Data export	—	—	■	—	
Report generation function	—	—	■	—	
Sensor-controlled display illumination	■	—	—	—	
Backlit display	—	■	—	—	
Alarm function	—	—	■	—	
Alarm function for Heat Index (HI)	—	—	—	■	
Alarm function for wind chill temperature (WBGT)	—	—	—	■	
¼ inch tripod thread	■	—	—	—	
Automatic switch-off	■	■	■	■	
Battery status indication	—	—	■	—	
Scope of delivery	BC06	BC21	BC21WP	BC25	
Battery(-ies)	■	■	■	—	
Bag/Holster	■	■	—	—	
Magnetic holder	—	—	■	—	
Wrist strap	—	—	■	—	
Optional accessories	BC06	BC21	BC21WP	BC25	
Universal tripod	6.300.000.200	—	—	—	
Combination bracket with universal clamp	6.300.000.201	—	—	—	
Bag for WP-appSensors	—	—	3.510.206.090	—	



BZ01 Digital alarm clock with weather station

- Compact 4-in-1 clock with a display for simultaneously checking the time, weekday, date, room temperature, humidity level, and including weather forecast symbols
- °C / °F temperature display can be selected
- Time format can be set to 12 or 24 hours
- Alarm function with snooze button
- Absolutely noiseless (except for the alarm function)
- Display of minimum and maximum value
- LCD display with a clearly arranged measured value indication
- Compact table and wall device in attractive design
- Supplies helpful information on the prevention of mould formation



BZ05 Indoor thermohygrometer

- Simultaneous display of room temperature, humidity and time or date
- Additional feel-good indication
- Display of recorded minimum and maximum values
- Large display with easily legible measured value indication
- Alarm function
- Free standing or wall mounted



BZ06 Designer weather station

- Simultaneous indication of room temperature, humidity level, date, time, weekday and symbolic weather forecast
- Alarm function with snooze button
- Completely noiseless (except for the alarm function)
- Display of minimum and maximum values
- Large, transparent LC display with clear and easily legible measured value indication
- Compact table-top device in a modern, stylish design
- Supplies helpful information for preventing mould growth



BZ07 Weather station and indoor climate monitoring unit

- Simultaneous indication of room temperature, humidity level, time or date, weather forecast, feelgood indication and temperature fluctuations
- Visualisation of the temperature changes spanning the past 12 hours
- Symbolic weather forecast indication
- Simplified feel-good indication
- Alarm function with snooze button
- Completely noiseless (except for the alarm function)
- Display of minimum and maximum values
- Large 5" LC display with clear and easily legible measured value indication
- Compact wall-mounted or tabletop device in a modern, stylish design
- Supplies helpful information for preventing mould growth

NEW



BZ29OS Radio weather station with outdoor sensor

- Simultaneous display of room temperature, room humidity, outdoor temperature, outdoor humidity, time, weekday, date, weather trend, comfort indicator and air pressure.
- Visualisation of the change in air pressure over the last 12 hours
- Trend display for temperature, humidity and weather
- Moon phase display
- Simplified comfort indicator display
- Frost alarm display
- Alarm function with snooze button
- Minimum and maximum value display
- 7.5" LCD display with clear and easy-to-read readings
- Compact table-top or wall-mounted unit in a modern and stylish design
- Provides helpful information for mould prevention
- 3 operating modes for weather station (mains adapter, USB cable, batteries)
- Battery status display (for weather station and outdoor sensor)



BZ15C Thermohygrometer

- High-quality mechanical measurement technology "made in Germany"
- Special scale design with climate-related colour indication
- Simple readability and interpretation
- Incl. calibration option



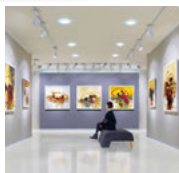
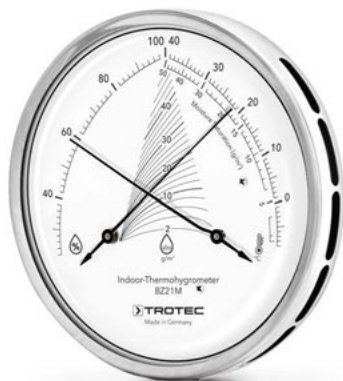
BZ15M Thermohygrometer

- High-quality mechanical measurement technology "made in Germany"
- Special scale design with season-dependent ventilation recommendation for optimum climate values
- Simple readability and interpretation
- Incl. calibration option



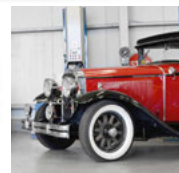
BZ20M Thermohygrometer

- High-quality mechanical measurement technology "made in Germany"
- Special cross-needle scale design
- Simple readability allowing a quick interpretation of the measured values
- Incl. calibration option



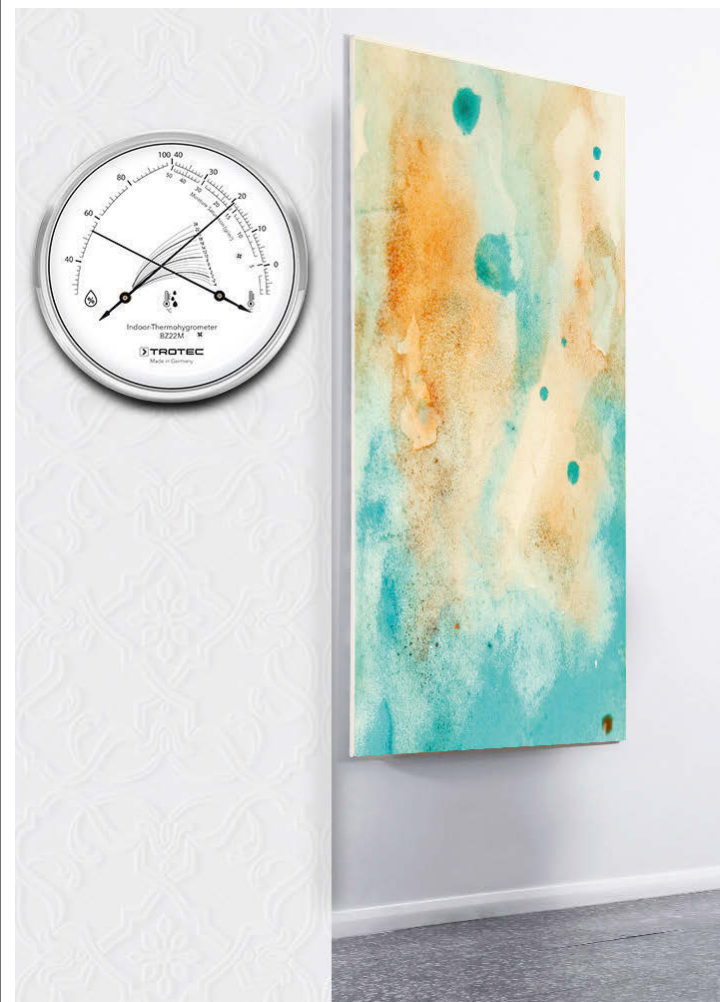
BZ21M Thermohygrometer

- Four climate values on one dial: Room temperature, relative humidity, absolute humidity and saturation humidity
- Analogue precision measurement technology "Made in Germany"
- Special cross-needle scale design
- Simple readability allowing a quick interpretation of the measured values
- Adjustment option included



BZ22M Thermohygrometer

- Four climate values on one dial: Room temperature, relative humidity, saturation humidity and dew point temperature
- Analogue precision measurement technology "Made in Germany"
- Special cross-needle scale design
- Simple readability allowing a quick interpretation of the measured values
- Incl. calibration option



Overview: Thermohygrometers



Technical data			BZ01	BZ05	BZ06	BZ07	BZ290S
Article number			3.510.205.000	3.510.205.010	3.510.205.016	3.510.205.017	3.510.205.058
Air temperature	Measuring range	Indoor sensor	-10 °C up to 50 °C / 14 °F up to 122 °F	0 °C up to 50 °C / 32 °F up to 122 °F	-9,9 °C up to 50 °C / 14 °F up to 122 °F	0 °C up to 50 °C / 32 °F up to 122 °F	-9,9 °C up to 50 °C / 14 °F up to 122 °F
		Outdoor sensor	–	–	–	–	-40 °C up to 70 °C / -40 °F up to 158 °F
	Accuracy	±1 °C / ±1.8 °F	±1 °C / ±1.8 °F	±2 °C	±2 °C	±0.2 °C	
	Resolution	0.1 °C / 0.1 °F	0.1 °C / 0.1 °F	1 °C / 1 °F	0.1 °C / 0.1 °F	0.1 °C / 0.1 °F	
Humidity	Measuring range	20 % RH up to 99 % RH	10 % RH up to 90 % RH	20 % RH up to 95 % RH	20 % RH up to 99 % RH	1 % RH up to 99 % RH	
	Accuracy	±5 % RH	±5 % RH	±8 % RH (at 35 % RH up to 75 % RH) ±10 % RH (at 20 % RH up to 34 % RH) ±10 % RH (at 76 % RH up to 95 % RH)	±8 % RH (at 35 % RH up to 75 % RH) ±10 % RH (at 20 % RH up to 34 % RH) ±10 % RH (at 76 % RH up to 95 % RH)	±2 % RH (at 20 % RH up to 80 % RH) ±4 % RH (at 1 % RH up to 19 % RH and 81 % RH up to 99 % RH)	
	Resolution	1 % RH	1 % RH	1 % RH	1 % RH	1 % RH	
Power supply	Indoor sensor	1 x 1.5 V, AAA	1 x 1.5 V, AAA	1 x 1.5 V AAA	2 x 1.5 V AAA	230 V power adapter or 3 x 1.5 V AA	
	Outdoor sensor	–	–	–	–	2 x 1.5 V AA	
Dimensions	Indoor sensor	55 mm x 82 mm x 36 mm	108 mm x 60 mm x 15 mm	139 mm x 60 mm x 44 mm	105 mm x 151 mm x 22 mm	188 mm x 125 mm x 28 mm	
	Outdoor sensor	–	–	–	–	133 mm x 40 mm x 27 mm	
Weight (Indoor sensor / Outdoor sensor)			72 g / –	74 g / –	81 g / –	173 g / –	375 g / 103 g
Functions			BZ01	BZ05	BZ06	BZ07	BZ290S
MultiMeasure Mobile App necessary			–	–	–	–	–
MultiMeasure Mobile App compatible			–	–	–	–	–
Minimum value display			■	■	■	■	■
Maximum value display			■	■	■	■	■
Switching function °C/°F			■	■	■	■	■
Feel-good indication			–	■	–	■	■
Weather forecast indication			■	–	■	■	■
Bargraph indicator display			–	–	–	■	■
Moon phase display			–	–	–	–	■
Date			■	■	■	■	■
Weekday			■	–	■	–	■
Time			■	■	■	■	■
Alarm function with snooze button			■	■	■	■	■
Measurement of relative humidity			■	■	■	■	■
Measurement of air temperature			■	■	■	■	■
Measurement of absolute humidity			–	–	–	–	–
Measurement of saturation humidity			–	–	–	–	–
Measurement of dew point			–	–	–	–	–
Measurement of air pressure			–	–	–	–	■
Battery status indication			–	–	–	■	■
Scope of delivery			BZ01	BZ05	BZ06	BZ07	BZ290S
Battery(-ies)			■	■	■	■	■
Power adapter			–	–	–	–	■
USB connection cable			–	–	–	–	■
Optional accessories			BZ01	BZ05	BZ06	BZ07	BZ290S
USB power adapter			–	–	–	–	6.300.000.003



Overview:
Thermohygrometers



Technical data		BZ15C	BZ15M	BZ20M	BZ21M	BZ22M
Article number		3.510.205.011	3.510.205.012	3.510.205.013	3.510.205.018	3.510.205.019
Air temperature	Measuring range	0 °C up to 40 °C	0 °C up to 40 °C	-10 °C up to 40 °C	-10 °C up to 40 °C	-10 °C up to 40 °C
	Accuracy	±2 °C	±2 °C	±2 °C	±2 °C	±2 °C
	Resolution	2 °C	2 °C	1 °C	1 °C	1 °C
Humidity	Measuring range	0 % RH up to 100 % RH	0 % RH up to 100 % RH	20 % RH up to 100 % RH	20 % RH up to 100 % RH	20 % RH up to 100 % RH
	Accuracy	±3 % RH (at 20 % RH up to 100 % RH)	±3 % RH (at 20 % RH up to 100 % RH)	±3 % RH (at 20 % RH up to 100 % RH)	±3 % RH (at 20 % RH up to 100 % RH)	±3 % RH (at 20 % RH up to 100 % RH)
	Resolution	1 % RH	1 % RH	2 % RH	2 % RH	2 % RH
Power supply		–	–	–	–	–
Dimensions		103 mm x 24 mm	103 mm x 24 mm	130 mm x 28 mm	130 mm x 28 mm	130 mm x 28 mm
Weight		155 g	155 g	185 g	185 g	185 g
Functions		BZ15C	BZ15M	BZ20M	BZ21M	BZ22M
MultiMeasure Mobile App necessary		–	–	–	–	–
MultiMeasure Mobile App compatible		–	–	–	–	–
Minimum value display		–	–	–	–	–
Maximum value display		–	–	–	–	–
Switching function °C/°F		–	–	–	–	–
Feel-good indication		–	–	–	–	–
Weather forecast indication		–	–	–	–	–
Bargraph indicator display		–	–	–	–	–
Date		–	–	–	–	–
Weekday		–	–	–	–	–
Time		–	–	–	–	–
Alarm function with snooze button		–	–	–	–	–
Measurement of relative humidity		■	■	■	■	■
Measurement of air temperature		■	■	■	■	■
Measurement of absolute humidity		–	–	–	■	–
Measurement of saturation humidity		–	–	–	■	■
Measurement of dew point		–	–	–	–	■
Battery status indication		–	–	–	–	–
Scope of delivery		BZ15C	BZ15M	BZ20M	BZ21M	BZ22M
Battery(-ies)		–	–	–	–	–





NEW

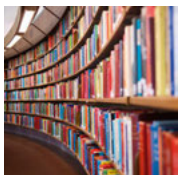


BZ25 CO₂ Air quality monitor

- Accurate and permanently stable NDIR measurement of carbon dioxide concentrations in the room air
- Simultaneous display of CO₂ values, room temperature, humidity, date and time
- Minimum and maximum value function for CO₂, air temperature and humidity
- Carbon dioxide alarm function with acoustic alarm signal for freely definable limit values
- Additional symbolic CO₂ indicator display
- Large backlit display with easily legible measured value indication
- Automatic Baseline Calibration
- Free standing or wall mounted

BZ26 CO₂ Air quality monitor

- Simultaneous indication of air quality (CO₂ concentration), room temperature, humidity level, time, weekday, date and feel-good indication
- Feel-good indication
- Individual CO₂ alarm limit value definition with visual and acoustic warning signal display
- Wake-up function with snooze button
- Additional CO₂ indication (feel-good indication)
- Absolutely silent
- Minimum and maximum value function for CO₂, air temperature and humidity level
- Setting option between °C and °F
- LC display with clear and easily legible measured value indication
- 3 dimmable brightness levels (100 % / 30 % / 1 % brightness)
- Automatic baseline calibration
- Compact table or wall-mounted device in modern and stylish design
- Supplies helpful information on the prevention of mould formation
- Power supply with mains current (USB cable supplied) and batteries (3 x AAA type alkaline, 1.5 V)



BZ30 CO₂ Air quality data logger

- Accurate and permanently stable NDIR measurement of carbon dioxide concentrations in the room air
- Simultaneous display of CO₂ values, room temperature, humidity, date and time
- Minimum and maximum value function for CO₂, air temperature and humidity
- Carbon dioxide alarm function with acoustic alarm signal for freely definable limit values
- Additional symbolic CO₂ indicator display
- Large backlit display with easily legible measured value indication
- Autonomous long-term recording of carbon dioxide concentration, room temperature and humidity
- Memory for 50.000 measured values
- Freely definable saving interval from 1 second to 12 hours
- USB interface for measuring data transfer
- Automatic Baseline Calibration
- Free standing or wall mounted
- PC analysis software

BL30 Climate data logger

- Autonomous long-term recording of climate data
- Memory for 32,000 measured values
- Freely definable saving interval from 1 second to 24 hours
- Alarm function
- Indication of minimum and maximum values incl. date and time
- USB interface for measuring data transfer
- PC analysis software
- Wall bracket with lockable combination lock
- Battery status indication

Overview:
CO₂ Air quality monitor /
CO₂ Air quality data logger /
Climate data logger



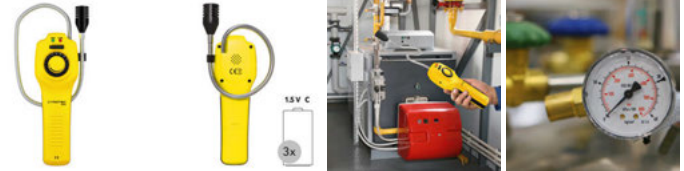
Technical data		BZ25	BZ26	BZ30	BL30
Article number		3.510.205.014	3.510.205.055	3.510.205.015	3.510.205.520
Sensor		NDIR sensor (nondispersive infrared)	PAS sensor (photoacoustic spectroscopy)	NDIR sensor (nondispersive infrared)	–
Carbon dioxide	Measuring range	0 ppm up to 9,999 ppm CO ₂	0 ppm up to 5,000 ppm CO ₂	0 ppm up to 9,999 ppm CO ₂	–
	Accuracy	±75 ppm or ±5 % of measured value	±50 ppm or ±5 % of measured value	±75 ppm or ±5 % of measured value	–
	Resolution	1 ppm	1 ppm	1 ppm	–
Temperature	Measuring range	-5 °C up to 50 °C / 23 °F up to 122 °F	-9.9 °C up to 60 °C / 14 °F up to 140 °F	-5 °C up to 50 °C / 23 °F up to 122 °F	-40 °C up to 70 °C / -40 °F up to 158 °F
	Accuracy	±1 °C / ±1.8 °F	< 0 °C / > 40 °C: ±2 °C 0 °C up to 40 °C: ±1 °C	±1 °C / ±1.8 °F	±2 °C / ±3.6 °F
	Resolution	0.1 °C / 0.1 °F	0.1 °C / 0.1 °F	0.1 °C / 0.1 °F	0.1 °C / 0.1 °F
Humidity	Measuring range	0.1 % RH up to 99.9 % RH	20 % RH up to 95 % RH	0.1 % RH up to 99.9 % RH	0 % RH up to 100 % RH
	Accuracy	±5 % RH	±5 % RH at 40 % up to 80 % ±8 % RH at 20 % up to 39 % and 81 % up to 95 %	±5 % RH	±3.5 % RH
	Resolution	0.1 % RH	1 % RH	0.1 % RH	0.1 % RH
Measuring interval		2 s	CO ₂ : 6 s °C: / RH: 30 s	2 s	–
PC interface		–	–	USB	USB
Power supply		230 V power adapter	3 x 1.5 V AAA or USB power adapter	1 x 3.7 V, Li-Ion battery or 230 V power adapter	1 x 3.6 V Li-SOCL ₂ , 14250
Dimensions		90 mm x 110 mm x 98 mm	22 mm x 89 mm x 125 mm	90 mm x 110 mm x 98 mm	94 mm x 32 mm x 50 mm
Weight		190 g	165 g	245 g	91 g
Functions		BZ25	BZ26	BZ30	BL30
MultiMeasure Mobile App necessary		–	–	–	–
MultiMeasure Mobile App compatible		–	–	–	–
Minimum value display		■	■	■	■
Maximum value display		■	■	■	■
Hold function		■	–	■	–
Switching function °C/°F		■	■	■	■
CO ₂ -Acoustic alarm function		■	■	■	–
CO ₂ -Sensor		■	■	■	–
Feel-good indication		■	■	■	–
Date		■	■	■	■
Weekday		–	■	–	–
Time		■	■	■	■
Alarm function with snooze button		–	■	–	–
Freely selectable measuring cycle		–	–	1 second up to 12 hours	1 second up to 24 hours
Continuous or ring recording		–	–	max. 50,000 measured values	max. 32,000 measured values (16,000 each for temperature and humidity)
Alarm function		–	■	–	■
Backlit display		■	■	■	–
Battery status indication		–	■	–	■
Scope of delivery		BZ25	BZ26	BZ30	BL30
Battery(-ies)		–	■	–	■
Li-Ion battery(-ies)		–	–	■	–
Power adapter		■	–	■	–
Lockable wall holder		–	–	–	■
USB connection cable		–	■	■	–
PC-Software Smartgraph		–	–	■	■
PC-Software MultiMeasure Studio		–	–	–	■
Bag/Holster		–	–	–	■
Optional accessories		BZ25	BZ26	BZ30	BL30
USB power adapter		–	6.300.000.003	–	–





BG20 Carbon monoxide measuring device

- Quick and reliable measurement of CO concentrations in the ambient air
- Measuring range 0 ppm to 1,000 ppm
- Maximum value and hold function
- Adjustable alarm limit values
- Easy one-hand operation
- Backlit display
- Memory for ten measured values
- Automatic switch-off



BG30 Gas detector

- Gas warning device and gas detector in one device
- Visual and acoustic alarm
- Alarm frequency in relation to gas concentration
- Individual calibration thanks to stepless sensitivity controller
- Easy one-hand operation
- Semi-rigid gooseneck probe of 40 cm length for the examination of poorly accessible locations



BG40 Gas detector

- Gas warning device and gas detector in one device
- Visual and acoustic alarm signal as well as vibration alert
- Alarm frequency in relation to gas concentration
- Large, easy-to-read display with additional indicator
- Easy one-hand operation
- Semi-rigid gooseneck probe of 40 cm length for the examination of poorly accessible locations
- Backlit LCD display
- Soft-touch function keys
- Automatic switch-off
- Battery status indication
- Integrated 1/4 inch tripod thread



Overview:
**Carbon monoxide measuring device /
 Gas detectors**



Technical data		BG20	BG30	BG40
Article number		3.510.205.060	3.510.205.064	3.510.205.068
Sensor		Stabilised electrochemical gas-specific (CO)	–	–
Kohlenmonoxid	Measuring range	0 ppm up to 1,000 ppm	–	–
	Accuracy	±5 % or ±10 ppm	–	–
	Resolution	1 ppm	–	–
Standard calibration	Methane	–	■	■
	Accuracy	–	50 ppm	50 ppm
Warm-up time		< 20 s	approx. 60 s	approx. 40 s
Alarm threshold		–	10 % UEG	x10: 0 up to 100 ppm, 100 up to 400 ppm, 400 up to 700 ppm, 700 up to 1,000 ppm, x100: 0 up to 1,000 ppm, 1,000 up to 4,000 ppm, 4,000 up to 7,000 ppm, 7,000 up to 10,000 ppm
Max. alarm level		–	40 % UEG	x10: >1,000, x100: >10,000
Response time		–	< 2 s (up to 40 % LEL)	2 s
Operating conditions		0 °C up to 50 °C 0 % RH up to 99 % RH (Non-condensing)	0 °C up to 50 °C 10 % RH up to 90 % RH (Non-condensing)	0 °C up to 40 °C 10 % RH up to 85 % RH (Non-condensing)
Gooseneck probe		–	Length approx. 40 cm	Length approx. 40 cm
Power supply		1 x 9 V block battery	3 x 1.5 V, C	1 x 3.7 V Li-Ion battery integrated
Dimensions		160 mm x 40 mm x 56 mm	221 mm x 24 mm x 72 mm	45 mm x 60 mm x 220 mm
Weight		180 g	520 g	428 g
Functions		BG20	BG30	BG40
MultiMeasure Mobile App necessary		–	–	–
MultiMeasure Mobile App compatible		–	–	–
Maximum value display		■	–	–
Hold function		■	–	–
Individual calibration thanks to stepless intensity controller		–	■	–
Auto-Zero function		–	–	■
Headphone connection		–	■	–
Memory for ten measured values		■	–	–
Acoustic alarm function		■	–	–
Acoustic alarm function (alarm frequency in relation to gas concentration)		–	■	■
Visual alarm function		■	■	■
Vibrating alert		–	–	■
Backlit display		■	–	■
¼ inch tripod thread		–	–	■
Automatic switch-off		■	–	■
Battery status indication		–	–	■
Scope of delivery		BG20	BG30	BG40
Battery(-ies)		■	■	–
Charger		–	–	■
Bag/Holster		■	■	■
Optional accessories		BG20	BG30	BG40
Universal tripod		–	–	6.300.000.200
Combination bracket with universal clamp		–	–	6.300.000.201



BQ16 HCHO/TVOC measuring device

- Development, design, production: 100 % Trotec
- Compact air quality measuring device for the detection of formaldehyde and VOC concentrations in the room air
- Determination of measured values in ppm or mg/m³
- Dual real-value display for HCHO and TVOC
- Maximum, minimum value and hold function
- Backlit display
- Soft-touch function keys
- Automatic switch-off
- Practice-optimized German industrial design – protected design patent



MultiMeasure Mobile ready



BQ21 Particle measuring device

- Development, design, production: 100 % Trotec
- Compact environmental measuring device for the detection of particulate matter pollution and climate data
- 2" colour display for simultaneous indication of all measured parameters
- Memory space for up to 5,000 data sets
- Direct conversion and display of the concentrations of inhalable and alveolar dust fractions contained in the room air stated in µg per m³ of air
- Maximum or minimum value and hold function
- Additional colour indicator display with automatic acoustic alarm for the quick detection of critical particle concentrations
- Alarm function
- Compatible with the MultiMeasure Mobile App (Bluetooth)
- Variety of further measuring and analysis functions
- Battery status indication
- Automatic switch-off
- Integrated tripod connection and stand
- Practice-optimized German industrial design – protected design patent



MultiMeasure Mobile ready



BQ31 Long-term air quality monitor

- Development, design, production: 100 % Trotec
- Long-term air quality monitor for simultaneous detection of particle mass concentration in the air
- Measurement of fine particulates with a max. diameter of PM2.5 and PM10
- 3" colour display for simultaneous indication of all measured parameters
- Indication of CO₂, pollution, current room temperature and humidity level
- Additional colour indicator display with automatic acoustic alarm for the quick detection of critical particle concentrations
- Memory space for up to 5,000 data sets
- Battery and mains operation possible
- Adjustable display brightness
- Automatically alternating indication of all measured climate parameters
- Compatible with the MultiMeasure Mobile App (Bluetooth)
- Variety of further measuring and analysis functions
- Choice of 8 languages
- Battery status indication
- Practice-optimized German industrial design – protected design patent



BR16 Microwave radiation measuring device

- Development, design, production: 100 % Trotec
- Quick and easy radiation measurement in 2.45 GHz band
- Maximum value and hold function
- Automatic visual and acoustic alarm signal generator when exceeding limit values
- Backlit display
- Soft-touch function keys
- Automatic switch-off
- Integrated ¼ inch tripod thread
- Practice-optimized German industrial design – protected design patent



BF06 Luxmeter

- Development, design, production: 100 % Trotec
- Measurement of illuminance and incidence of light
- Large, clearly legible measurement value display
- Maximum value function
- Easy one-hand operation
- Sensor-controlled display illumination in poor lighting conditions
- Automatic switch-off
- Integrated 1/4 inch tripod thread
- Practice-optimized German industrial design – protected design patent



BF06WP Luxmeter

- Development, design, production: 100 % Trotec
- Measurement of illuminance and incidence of light
- High-quality sensor technology and numerous measuring functions
- Intelligent combination of appSensor and the MultiMeasure Mobile app
- Maximum or minimum value and hold function
- Logging function
- Chart representation of measurement data
- Report generation
- Average value determination
- Alarm function
- Magnetic holder to allow for hands-free working
- Practice-optimized German industrial design – protected design patent



BS06 Sound level measuring device

- Development, design, production: 100 % Trotec
- Quick and reliable sound level measurements
- Maximum, minimum value and hold function
- Sensor-controlled display illumination in poor lighting conditions
- Easy one-hand operation
- Rapid response times
- Automatic switch-off
- Integrated 1/4 inch tripod thread
- Practice-optimized German industrial design – protected design patent



BS30WP Sound level measuring device

- Development, design, production: 100 % Trotec
- Quick and reliable sound level measurements
- Maximum, minimum value and hold function
- Average value determination
- Rapid response times
- Alarm function
- Automatic switch-off
- Magnetic holder to allow for hands-free working
- Variety of further measuring and analysis functions
- Practice-optimized German industrial design – protected design patent

Overview: Emission measuring devices



Technical data		BQ16	BQ21	BQ31	BR16
Article number		3.510.205.090	3.510.205.095	3.510.205.099	3.510.205.071
Formaldehyd	Measuring range	0 ppm up to 5 ppm / 0 mg/m ³ up to 5 mg/m ³	–	–	–
	Accuracy	± 5 % FS (full scale)	–	–	–
	Resolution	0.01 ppm / 0.01 mg/m ³	–	–	–
TVOC	Measuring range	0 ppm up to 9.99 ppm / 0 mg/m ³ up to 9.99 mg/m ³	–	–	–
	Accuracy	± 10 % FS (full scale)	–	–	–
	Resolution	0.01 ppm / 0.01 mg/m ³	–	–	–
Particles	Channels	–	2	2	–
	Duct sizes	–	2.5 µm, 10 µm	2.5 µm, 10 µm	–
	Measuring range	–	0.00 µg/m ³ up to 2,000 µg/m ³	0.00 µg/m ³ up to 2,000 µg/m ³	–
	Resolution	–	1 µg/m ³	1 µg/m ³	–
CO ₂	Measuring range	–	–	0 ppm up to 9,999 ppm	–
	Resolution	–	–	1 ppm	–
Air temperature	Measuring range	–	0 °C up to 50 °C / 32 °F up to 122 °F	0 °C up to 70 °C / -4 °F up to 158 °F	–
	Resolution	–	0.1 °C / 0.1 °F	0.1 °C / 0.1 °F	–
Humidity	Measuring range	–	0 % RH up to 100 % RH	0 % RH up to 100 % RH	–
	Resolution	–	0.1 % RH	0.1 % RH	–
Microwave radiation (2.45 GHz)	Measuring range	–	–	–	0 - 9.99 mW/cm ²
	Accuracy	–	–	–	±1 dB
	Resolution	–	–	–	0.01 mW/cm ²
Alarm limit value	–	–	–	–	5.0 mW/cm ²
Frequency range	–	–	–	–	Calibrated to 2.45 GHz
Operating conditions	–	–	–	–	0 °C up to 50 °C 10 % RH up to 80 % RH (Non-condensing)
Data interface	–	–	Bluetooth 4.0	Bluetooth 4.0	–
Power supply	–	1 x 9 V block battery	1 x 7.2 V Li-ion battery integrated	1 x 3.7 V Li-Po battery	1 x 9 V block battery
Dimensions	–	35 mm x 55 mm x 230 mm	188 mm x 35 mm x 52 mm	85 mm x 75 mm x 155 mm	160 mm x 42 mm x 60 mm
Weight	–	205 g	175 g	360 g	150 g
Functions	–	BQ16	BQ21	BQ31	BR16
MultiMeasure Mobile App necessary	–	–	–	–	–
MultiMeasure Mobile App compatible	–	–	■	■	–
Minimum value display	–	■	–	–	–
Maximum value display	–	■	–	–	■
Real-time measured value display	–	■	–	–	–
Hold function	–	■	–	–	■
Simultaneous measurement PM2.5 and PM10	–	–	■	■	–
Representation of measurement data as chart, matrix or table	–	–	■	■	–
Data export	–	–	■	■	–
Report generation function	–	–	■	■	–
Bargraph indicator display	–	–	■	■	–
Switching function °C/°F	–	–	■	–	–
Memory for 5,000 measured values	–	–	■	■	–
Bluetooth interface	–	–	■	■	–
Backlit display	–	■	–	–	■
Adjustable display brightness	–	–	–	■	–
Automatically alternating indication of all measured climate parameters	–	–	–	■	–
CO ₂ configurable measuring rate	–	–	–	■	–
Optional XY-diagram	–	–	–	■	–
Visual alarm function	–	–	–	■	■
Acoustic alarm function	–	–	–	■	■
Date	–	–	–	■	–
Time	–	–	■	■	–
¼ inch tripod thread	–	–	■	–	■
Integrated foot	–	–	■	–	–
Automatic switch-off	–	■	■	–	■
Battery status indication	–	■	–	–	–
Recharge battery status indicator	–	–	■	■	–
Scope of delivery	–	BQ16	BQ21	BQ31	BR16
Battery(-ies)	–	■	–	–	■
Li-Ion battery (integrated)	–	–	■	–	–
Li-Po battery	–	–	–	■	–
Wire stand	–	–	■	–	–
Mini USB cable	–	–	■	■	–
Charger (USB 5 V, 1 A)	–	–	■	■	–
Bag/Holster	–	–	–	–	■
Optional accessories	–	BQ16	BQ21	BQ31	BR16
Universal tripod	–	–	6.300.000.200	–	6.300.000.200
Combination bracket with universal clamp	–	–	6.300.000.201	–	6.300.000.201
USB power adapter	–	–	6.300.000.003	6.300.000.003	–

Overview:
Emission measuring devices



Technical data		BF06	BF06WP	BS06	BS30WP
Article number		3.510.205.081	3.510.205.085	3.510.205.051	3.510.206.051
Light detector		Durable silicone photodiode with infrared filter	Durable silicone photodiode with infrared filter	–	–
Lux	Measuring range	0 lx up to 40,000 lx (0 fc up to 3,716 fc)	0 lx up to 40,000 lx (0 fc up to 3,716 fc)	–	–
	Accuracy	±5 % ±10 lx/fc (< 10,000 lx / 1,000 fc) ±10 % ±10 lx/fc (> 10,000 lx / 1,000 fc)	±4 % ±10 lx/fc (< 10,000 lx / 1,000 fc) ±10 % ±10 lx/fc (> 10,000 lx / 1,000 fc)	–	–
	Resolution	0.1 lx / 0.01 fc	0.1 (<200 LUX) 1 (<2,000 LUX) 10 (<20,000 LUX) 100 (<40,000 LUX)	–	–
dB(A)	Measuring range	–	–	40 dB(A) up to 130 dB(A) (31.5 Hz - 8 kHz)	35 dB(A) up to 130 dB(A) (31.5 Hz - 8 kHz)
	Accuracy	–	–	±3.5 dB (at 1 kHz and 94 dB)	±3.5 dB (at 1 kHz and 94 dB)
	Resolution	–	–	0.1 dB	0.1 dB
Measuring rate		2.5 x per second, nominal	1 x per second, nominal	–	–
Response time		–	–	0.125 s	0.125 s
Operating conditions		–	–	0 °C up to 40 °C 10 % RH up to 75 % RH	-20 °C up to 60 °C 10 % RH up to 90 % RH
Data interface		–	Bluetooth 4.0	–	Bluetooth 4.0
Power supply		1 x 9 V block battery	3 x 1.5 V, AAA	1 x 9 V block battery	3 x 1.5 V, AAA
Dimensions		157 mm x 34 mm x 56 mm	22 mm x 36 mm x 155 mm	140 mm x 34 mm x 56 mm	110 mm x 30 mm x 20 mm
Weight		138 g	111 g	135 g	123 g
Functions		BF06	BF06WP	BS06	BS30WP
MultiMeasure Mobile App necessary		–	■	–	■
MultiMeasure Mobile App compatible		–	■	–	■
Minimum value display		–	■	■	■
Maximum value display		■	■	■	■
Average value display		–	■	–	■
Hold function		–	■	■	■
Long-term measurement function		–	–	–	■
Switching function lx/fc		■	–	–	–
Representation of measurement data as chart, matrix or table		–	■	–	■
Data export		–	■	–	■
Report generation function		–	■	–	■
Sensor-controlled display illumination		■	–	■	–
Alarm function		–	■	–	■
¼ inch tripod thread		■	–	■	–
Automatic switch-off		■	■	■	■
Battery status indication		–	■	–	■
Scope of delivery		BF06	BF06WP	BS06	BS30WP
Battery(-ies)		■	■	■	■
Bag/Holster		■	–	■	–
Wind shield		–	–	■	■
Magnetic holder		–	■	–	■
Wrist strap		–	■	–	■
Optional accessories		BF06	BF06WP	BS06	BS30WP
Universal tripod		6.300.000.200	–	6.300.000.200	–
Combination bracket with universal clamp		6.300.000.201	–	6.300.000.201	–
Bag for WP-appSensors		–	3.510.206.090	–	3.510.206.090



BB20 Layer thickness measuring device

- Dual sensor for thickness measurement of non-magnetic layers on all magnetic and nonmagnetic metals
- Broad measuring range from 0 μm to 1,250 μm
- Spring-loaded measuring head
- V groove for measurement to be performed at round surfaces
- Alarm function when exceeding or falling below a freely definable layer thickness
- Various statistical functions such as maximum, minimum and average layer thickness
- Two-point calibration for pinpoint accuracy
- Memory space for up to 400 measured values
- USB interface for measuring data transfer to a PC
- Easy one-hand operation
- Backlit display
- Automatic switch-off
- Battery status indication



BB30 Layer thickness measuring device

- Dual sensor for thickness measurement of non-magnetic layers on all magnetic and nonmagnetic metals
- Broad measuring range from 0 μm to 2,000 μm
- Spring-loaded measuring head
- V groove for measurement to be performed at round surfaces
- Convenient probe extension to reach poorly accessible measuring locations
- Error indicator for incorrect measuring
- Simple zero point calibration for quick operational readiness and high precision
- Memory space for up to 2,500 measured values
- All stored values and groups can be called up directly at the device
- Bluetooth interface for PC measuring data transfer
- Compatible with the MultiMeasure Mobile App (Bluetooth)
- Adaptive display illumination
- Automatic switch-off
- Battery status indication



Overview:
Layer thickness measuring devices



Technical data		BB20	BB30
Article number		3.510.205.075	3.510.205.077
Sensor		Ferromagnetic ground, Non-ferrous metal ground	Ferromagnetic ground, Non-ferrous metal ground
Functional principle		Magnetic induction, turbulent	Magnetic induction, turbulent
Guaranteed tolerance		Fe: $\pm 3\% + 1\ \mu\text{m}$ (at 0 μm up to 850 μm) Fe: $\pm 5\%$ (at 850 μm up to 1,250 μm) nFe: $\pm 3\% + 1.5\ \mu\text{m}$ (at 0 μm up to 850 μm) nFe: $\pm 5\%$ (at 850 μm up to 1,250 μm)	Fe: $\pm 2\% + 2\ \mu\text{m}$ (at 0 μm up to 1,000 μm) Fe: $\pm 3.5\%$ (at 1,000 μm up to 2,000 μm) nFe: $\pm 2\% + 2\ \mu\text{m}$ (at 0 μm up to 1,000 μm) nFe: $\pm 3.5\%$ (at 1,000 μm up to 2,000 μm)
Minimum bending radius (surface)		Fe: 1.5 mm nFe: 3 mm	Fe: 1.5 mm nFe: 3 mm
Minimum measuring surface		Fe: $\varnothing 7\ \text{mm}$ nFe: $\varnothing 5\ \text{mm}$	Fe: $\varnothing 7\ \text{mm}$ nFe: $\varnothing 5\ \text{mm}$
Critical primary layer thickness		Fe: 0.5 μm nFe: 0.3 μm	Fe: 0.5 μm nFe: 0.3 μm
Layer thickness (μm)	Measuring range	0 μm up to 1,250 μm	0 μm up to 2,000 μm
	Accuracy	$\pm 0.1\ \mu\text{m}$	$\pm 0.1\ \mu\text{m}$ (at 0 μm up to 100 μm) $\pm 1\ \mu\text{m}$ (at 100 μm up to 1,000 μm) $\pm 0.01\ \text{mm}$ (at 1,000 μm up to 2,000 μm)
Data interface		–	Bluetooth 4.0
Power supply		2 x 1.5 V, AAA	2 x 1.5 V, AAA
Dimensions		110 mm x 24 mm x 54 mm	114 mm x 27 mm x 54 mm
Weight		114 g	152 g
Functions		BB20	BB30
MultiMeasure Mobile App necessary		–	–
MultiMeasure Mobile App compatible		–	■
Minimum value display		■	■
Maximum value display		■	■
Average value display		■	■
Memory space		400 Measured values	2,500 Measured values
Sensor for ferromagnetic ground		■	■
Sensor for non-ferrous metal ground		■	■
Representation of measurement data as chart, matrix or table		–	■
Data export		–	■
Report generation function		–	■
Two-point calibration		■	–
Standard deviation		■	–
Error indicator for incorrect measuring		–	■
Backlit display		■	■
Acoustic alarm function		■	–
Automatic switch-off		■	■
Battery status indication		■	■
Scope of delivery		BB20	BB30
Battery(-ies)		■	■
Transport case		■	■
USB cable		■	–
Software		■	–
Calibration accessories		■	■
Probe cable extension		–	■



BD5A Cross line laser

- Projects light-intense laser lines up to a distance of 10 m
- Self-levelling laser
- Laser projection either as cross lines or as individual horizontal or vertical line
- High accuracy of only ± 0.8 mm/m (at 0°)
- Ideally suited for fast and straight alignment of drill holes, pictures, tiles, strips of wallpaper, wall cupboards, shelves etc.
- Incl. multifunctional combination holder with universal clamp plus suction cup
- Latest laser technology ultra-easy to handle
- Laser locking function for projecting oblique lines
- Operating switch with transport position for safe laser position fixing when changing the location
- Integrated $\frac{1}{4}$ inch tripod thread



BD6A Cross line laser

- Projects light-intense laser lines up to a distance of 10 m
- Self-levelling laser
- Laser projection selectable as cross lines and horizontal or vertical single lines
- High accuracy of only ± 3 mm at 10 m (at 0°)
- Automatic warning if the ground is more inclined and the laser projection cannot be compensated for
- Alignment of drill holes, pictures, tiles, wallpaper strips, wall cabinets, shelves etc.
- IP54 protection - protected against dust and splash water
- Including multifunctional combi-mount with universal clamp, suction cup and ball joints
- State-of-the-art laser technology with ultra-easy handling
- Laser lock function for projection of even slanted lines
- Operating switch with transport position to securely fix the position of the laser when changing locations
- Integrated $\frac{1}{4}$ -inch tripod thread



BD7A Rotary laser

- 3 projection modes: 360° horizontal mode, cross line mode, 90° vertical mode
- Projects light-intense laser lines up to a distance of 10 m
- Self-levelling rotary laser
- High accuracy of only ± 0.8 mm/m (at 0°)
- Ideally suited for fast and straight alignment of drill holes, pictures, tiles, strips of wallpaper, wall cupboards, shelves etc.
- Visual warning when outside the auto-levelling range
- Incl. multifunctional combination holder with universal clamp plus suction cup
- Latest laser technology ultra-easy to handle
- Laser locking function for projecting oblique lines
- Operating switch with transport position for safe laser position fixing when changing the location
- Integrated $\frac{1}{4}$ inch tripod thread
- Quick charging via supplied micro USB cable



BD8A Rotary laser

- Projection of 4 cross and single lines (2 x 360° horizontal, 2 x 90° vertical)
- Projects high-intensity laser lines up to a distance of 30 m
- Self-levelling rotating laser
- High accuracy of only ± 1.5 mm / 5 m (at 0°)
- Optimal for fast and straight alignment of drill holes, pictures, tiles, wallpaper strips, wall cupboards, shelves etc.
- Optical warning when out of auto levelling range
- State-of-the-art laser technology with ultra-easy handling
- Laser locking function for projection of even oblique lines
- Operating switch with transport position to securely fix the position of the laser when changing location
- Integrated $\frac{1}{4}$ -inch tripod thread
- Fast charging via supplied USB-C cable
- Incl. carrying case and a wide range of accessories

NEW



BD1L Laser spirit level

- 0.20 m to 20 m laser distance measurement
- Precise measurement of distances, areas and volumes in seconds
- Integrated horizontal line laser (10 m range)
- Vertical and horizontal bubble level with integrated illumination
- Backlit multi-line display
- Continuous measuring mode
- Magnetic holder
- Battery status indication
- Power-saving automatic switch-off



BD8M 3-in-1 measuring device

- 0.05 m to 40 m laser distance measurement
- Indirect distance and height or partial height calculation (3-point Pythagoras functions)
- Precise measurement of distances, areas and volumes within seconds
- Integrated cross line laser (10 m range)
- Integrated measuring tape (5 m length)
- Backlit multi-line display
- Non-stop measuring mode with MIN/MAX function
- Addition and subtraction of measuring results
- Automatic saving of the 20 most recent measured values
- Robust workmanship for rough construction site applications
- Battery status indication
- Power-saving automatic switch-off



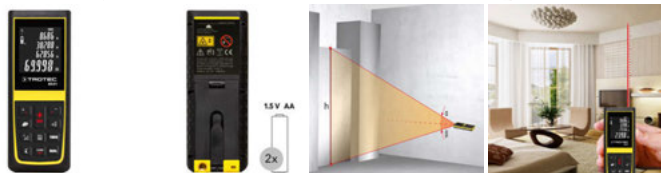
BD11 Distance meter

- Range of 0.05 m to 30 m
- Indirect distance and height or partial height calculation (3-point Pythagoras functions)
- Precise measurement of distances, areas and volumes within seconds
- Illuminated multi-line display
- Non-stop measuring mode with Min/Max function
- Addition and subtraction of measuring results
- Automatic saving of the 10 most recent measured values
- Robust workmanship – dust- and splash-proof (IP54)
- Measurement to be made from the front and rear edge
- Battery status indication
- Automatic switch-off
- Wrist strap
- Quick charging via supplied micro USB cable



BD16 Distance meter

- Range of 0.05 m to 40 m
- Indirect distance and height or partial height calculation (3-point Pythagoras functions)
- Precise measurement of distances, areas and volumes within seconds
- Illuminated multi-line display
- Non-stop measuring mode with Min/Max function
- Addition and subtraction of measuring results
- Automatic saving of the 10 most recent measured values
- Can be used as spirit level thanks to bubble
- Robust workmanship – dust- and splash-proof (IP54)
- Measurement to be made from the front and rear edge
- Battery status indication
- Automatic switch-off
- Belt clip
- Wrist strap



BD21 Distance meter

- Integrated 90° tilt sensor
- Range of 0.05 m to 70 m
- Indirect distance and height or partial height calculation (3-point Pythagoras functions)
- Precise measurement of distances, areas and volumes within seconds
- Illuminated multi-line display
- Can be used as an electronic spirit level
- Robust workmanship – dust- and splash-proof (IP54)
- Measurement to be made from the front and rear edge
- Multifunctional end piece
- Timer function
- Battery status indication
- Automatic switch-off
- Integrated ¼ inch tripod thread



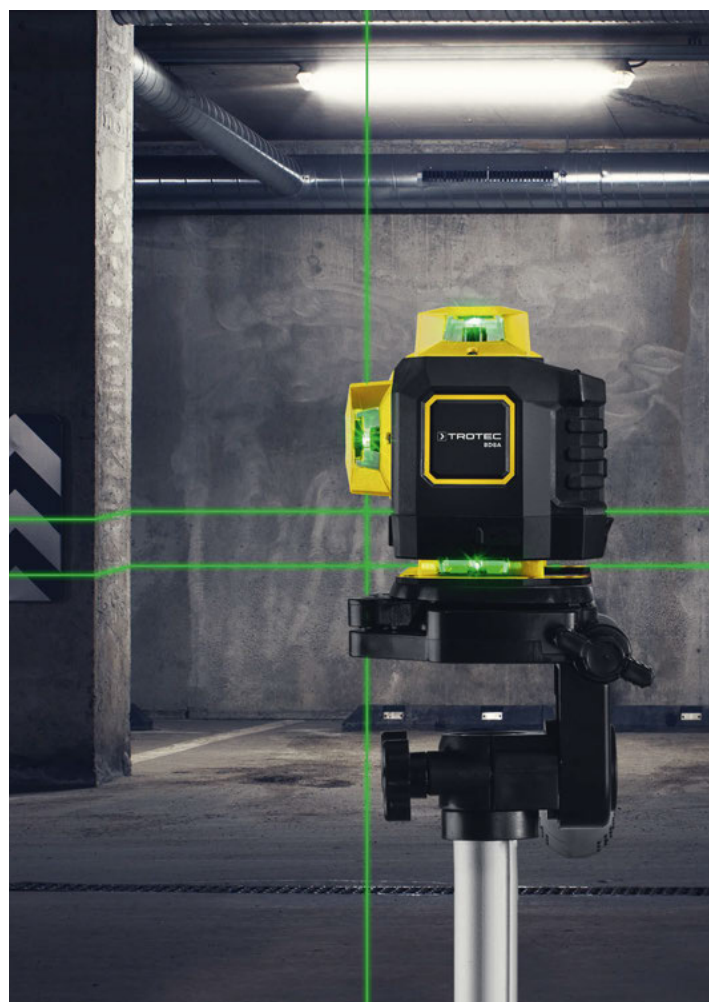
BD22 Distance meter

- 0.05 m to 50 m distance measurement
- Indirect distance and height or partial height calculation (3-point Pythagoras functions)
- Precise measurement of distances, areas and volumes within seconds
- Integrated measuring wheel for measuring curved lines, curves and circumferences (measuring range 0 to 10 m)
- Integrated spirit level for precise alignment
- Backlit multi-line display
- Non-stop measuring mode with MIN/MAX function
- Addition and subtraction of measuring results
- Automatic saving of the 50 most recent measured values
- Robust workmanship for rough construction site applications
- Measurement to be made from the front and rear edge
- Battery status indication
- Automatic switch-off



BD26 Distance meter

- Integrated 90° tilt sensor
- Range of 0.05 m to 120 m
- Indirect distance and height or partial height calculation (3-point Pythagoras functions)
- Precise measurement of distances, areas and volumes within seconds
- Illuminated multi-line display
- Can be used as an electronic spirit level
- Robust workmanship – dust- and splash-proof (IP54)
- Measurement to be made from the front and rear edge
- Multifunctional end piece
- Timer function
- Battery status indication
- Automatic switch-off
- Integrated ¼ inch tripod thread



Overview:
Cross line lasers



Technical data	BD5A	BD6A	BD7A	BD8A
Article number	3.510.205.151	3.510.205.159	3.510.205.152	3.510.205.166
Display	Multifunction LED	Multifunction LED	2 status LEDs (red/green)	Display
Range auto-leveling	±4°	3.5° ±1°	±3°	3.5° ±1°
Range (Line laser)	10 m	10 m	10 m	30 m
Accuracy	±0.8 mm/m (at 0°), ±1 mm/m (at ≤4°)	±3 mm / 10 m (at 0°)	±0.8 mm/m (at 0°) ±1 mm/m (at ≤3°)	±1.5 mm / 5 m (at 0°) α >10° ±0.5° / α <10° ±0.2°
Laser class	2	2	2	2
Laser output	1 mW	<1 mW	1 mW	<1 mW
Laser wavelength	650 nm	635 nm	650 nm	515 nm
Type of protection	IP40	IP54	IP40	IP54
Power supply	2 x 1.5 V, AA	2 x 1.5 V, AA	1 x 3.7 V Li-ion battery integrated	2 x 3.7 V Li-ion battery 18650
Dimensions	83 mm x 60 mm x 72 mm	71 mm x 62 mm x 91 mm	112 mm x 55 mm x 55 mm	105 mm x 132 mm x 130 mm
Weight	275 g	274 g	280 g	617 g
Functions	BD5A	BD6A	BD7A	BD8A
MultiMeasure Mobile App necessary	-	-	-	-
MultiMeasure Mobile App compatible	-	-	-	-
Cardanic automatic levelling	■	■	■	■
Projection of horizontal single line	-	-	-	-
Projection of cross and single lines (horizontal & vertical)	■	■	-	-
Projection of individual or cross lines (360° horizontal, 90° vertical)	-	-	■	-
Projection of individual or cross lines (2 x 360° horizontal, 2 x 90° vertical)	-	-	-	■
Laser locking function (transport protection) and tilt adjustment	■	■	■	■
Optical warning outside the automatic levelling range	-	■	■	■
Signal tone	-	-	-	■
Backlit display	-	-	-	■
¼ inch tripod thread	■	■	■	■
Automatic switch-off	-	-	-	-
Battery status indication	-	-	-	■
Recharge battery status indicaton	-	-	-	■
Scope of delivery	BD5A	BD6A	BD7A	BD8A
Battery(-ies)	■	■	-	-
Li-Ion battery (integrated)	-	-	■	-
Li-Ion battery 18650	-	-	-	■
Multi-functional support arm	■	■	■	-
Mini tripod with spirit level	-	-	-	■
Tripod mounting plate	-	-	-	■
Multifunctional magnetic mount with spirit level	-	-	-	■
Trapeze	-	-	-	■
Micro-USB cable	-	-	■	-
USB-C cable	-	-	-	■
Charger (USB 5 V, 1 A)	-	-	■	-
Transport case	-	-	-	■
Optional accessories	BD5A	BD6A	BD7A	BD8A
Universal tripod	6.300.000.200	6.300.000.200	6.300.000.200	6.300.000.200
Combination bracket with universal clamp	6.300.000.201	6.300.000.201	6.300.000.201	6.300.000.201
USB power adapter	-	-	6.300.000.003	6.300.000.003



PLANNING AND MEASURING

Overview:
Laser spirit level
Laser distance meters



Technical data	BD1L	BD8M	BD11	BD16
Article number	3.510.205.148	3.510.205.157	3.510.205.153	3.510.205.154
Display	Display	Display	Display	Display
Measured values	m, in, ft	m, in, ft	m, in, ft	m, in, ft
Inclination measurement	–	–	–	–
Range (Distance laser)	0.20 m up to 20 m / 0.66 ft up to 65.60 ft	0.05 m up to 40 m / 0.16 ft up to 131 ft	0.05 m up to 30 m / 0.17 ft up to 98 ft	0.05 m up to 40 m / 0.16 ft up to 131 ft
Range (Line laser)	10 m	10 m	–	–
Range (Measuring tape)	–	0.001 m up to 5 m	–	–
Accuracy	±3.0 mm/m (at 0°)	–	–	–
Laser class	2	2	2	2
Laser output	<1 mW	1 mW	1 mW	1 mW
Laser wavelength	630 - 670 nm	–	–	–
Recall of previous measurements	–	20	10	10
Type of protection	–	–	IP54	IP54
Power supply	1 x 3.7 V Li-ion battery integrated	2 x 1.5 V, AAA	1 x 3.7 V Li-ion battery integrated	2 x 1.5 V, AA
Dimensions	229 mm x 19 mm x 48 mm	85 mm x 56 mm x 82 mm	75 mm x 34 mm x 15 mm	124 mm x 41 mm x 23 mm
Weight	217 g	290 g	24 g	118 g
Functions	BD1L	BD8M	BD11	BD16
MultiMeasure Mobile App necessary	–	–	–	–
MultiMeasure Mobile App compatible	–	–	–	–
Minimum value display	–	■	■	■
Maximum value display	–	■	■	■
Non-stop measuring function	■	■	■	■
Projection of horizontal single line	■	–	–	–
Projection of cross lines	–	■	–	–
Measuring tape	–	■	–	–
Pythagoras function	–	■	■	■
Indirect measurement as per Pythagoras' theorem	–	–	–	–
Indirect measuring using tilt sensor	–	–	–	–
Area measurement	■	■	■	■
Volume measurement	■	■	■	■
Addition	–	■	■	■
Subtraction	–	■	■	■
Multifunctional end piece	–	–	–	–
Magnetic holder	■	–	–	–
Integrated spirit level bubble	■	–	–	■
Electronic spirit level	–	–	–	–
Distancetracking	–	–	–	–
Timer	–	–	–	–
Signal tone	–	■	–	■
Backlit display	■	■	■	■
¼ inch tripod thread	–	–	–	–
Automatic switch-off	■	■	■	■
Battery status indication	–	■	–	■
Recharge battery status indicaton	■	–	■	–
Scope of delivery	BD1L	BD8M	BD11	BD16
Battery(-ies)	–	■	–	■
Li-Ion battery (integrated)	■	–	■	–
Multi-functional support arm	–	–	–	–
Micro-USB cable	–	–	■	–
USB-C cable	■	–	–	–
Belt clip	–	■	–	■
Bag/Holster	–	–	–	–
Wrist strap	–	■	■	■
Optional accessories	BD1L	BD8M	BD11	BD16
Universal tripod	–	–	–	–
Combination bracket with universal clamp	–	–	–	–
USB power adapter	6.300.000.003	–	6.300.000.003	–

Overview:
Laser distance meters



Technical data	BD21	BD22	BD26
Article number	3.510.205.156	3.510.205.158	3.510.205.161
Display	Display	Display	Display
Measured values	m, in, ft	m, in, ft	m, in, ft
Inclination measurement	90° (-45° up to 45°)	–	90° (-45° up to 45°)
Range (Distance laser)	0.05 m up to 70 m / 0.16 ft up to 230 ft	0.05 m up to 50 m / 0.16 ft up to 164 ft	0.05 m up to 30 m / 0.17 ft up to 98 ft
Range (Line laser)	–	–	–
Range (Measuring tape)	–	–	–
Accuracy	–	–	–
Laser class	2	2	2
Laser output	1 mW	1 mW	1 mW
Laser wavelength	–	–	–
Recall of previous measurements	10	50	10
Type of protection	IP54	–	IP54
Power supply	2 x 1.5 V, AA	2 x 1.5 V, AAA	2 x 1.5 V, AA
Dimensions	118 mm x 49 mm x 27 mm	130 mm x 51 mm x 28 mm	118 mm x 49 mm x 27 mm
Weight	150 g	128 g	150 g
Functions	BD21	BD22	BD26
MultiMeasure Mobile App necessary	–	–	–
MultiMeasure Mobile App compatible	–	–	–
Minimum value display	■	■	■
Maximum value display	■	■	■
Non-stop measuring function	■	■	■
Projection of horizontal single line	–	–	–
Projection of cross lines	–	–	–
Measuring tape	–	–	–
Pythagoras function	■	■	■
Indirect measurement as per Pythagoras' theorem	■	■	■
Indirect measuring using tilt sensor	■	–	■
Area measurement	■	■	■
Volume measurement	■	■	■
Addition	■	■	■
Subtraction	■	■	■
Multifunctional end piece	■	–	■
Magnetic holder	–	–	–
Integrated spirit level bubble	–	■	–
Electronic spirit level	■	–	■
Distancetracking	■	–	■
Timer	■	–	■
Signal tone	■	■	■
Backlit display	■	■	■
¼ inch tripod thread	■	–	■
Automatic switch-off	■	■	■
Battery status indication	■	■	■
Recharge battery status indicaton	–	–	–
Scope of delivery	BD21	BD22	BD26
Battery(-ies)	■	■	■
Li-Ion battery (integrated)	–	–	–
Multi-functional support arm	–	–	–
Micro-USB cable	–	–	–
USB-C cable	–	–	–
Belt clip	–	–	–
Bag/Holster	■	–	■
Wrist strap	■	–	■
Optional accessories	BD21	BD22	BD26
Universal tripod	6.300.000.200	–	6.300.000.200
Combination bracket with universal clamp	6.300.000.201	–	6.300.000.201
USB power adapter	–	–	–



BI15 Wall scanner

- Simple detection of live cables, wood or metal in walls and floors
- Adjustable laser levelling assistance
- With integrated bulls eye level and spirit level for exact alignment
- Adjustment wheels for compensating for uneven surfaces
- Detection depth up to 38 mm
- Audiovisual alarm upon detection of alternating current
- Laser installation assistance up to 6 meter range
- Material calibration when switched on
- Simple operation
- Battery status indication



BI20 Wall scanner

- Development, design, production: 100 % Trotec
- Simple detection of live (AC) cables, wood or metal in walls and floors
- Detection depth up to 50 mm
- Audiovisual alarm upon detection of alternating current
- Simple handling via one button
- Battery status indication
- Automatic switch-off
- Practice-optimized German industrial design – protected design patent

Overview: Wall scanners

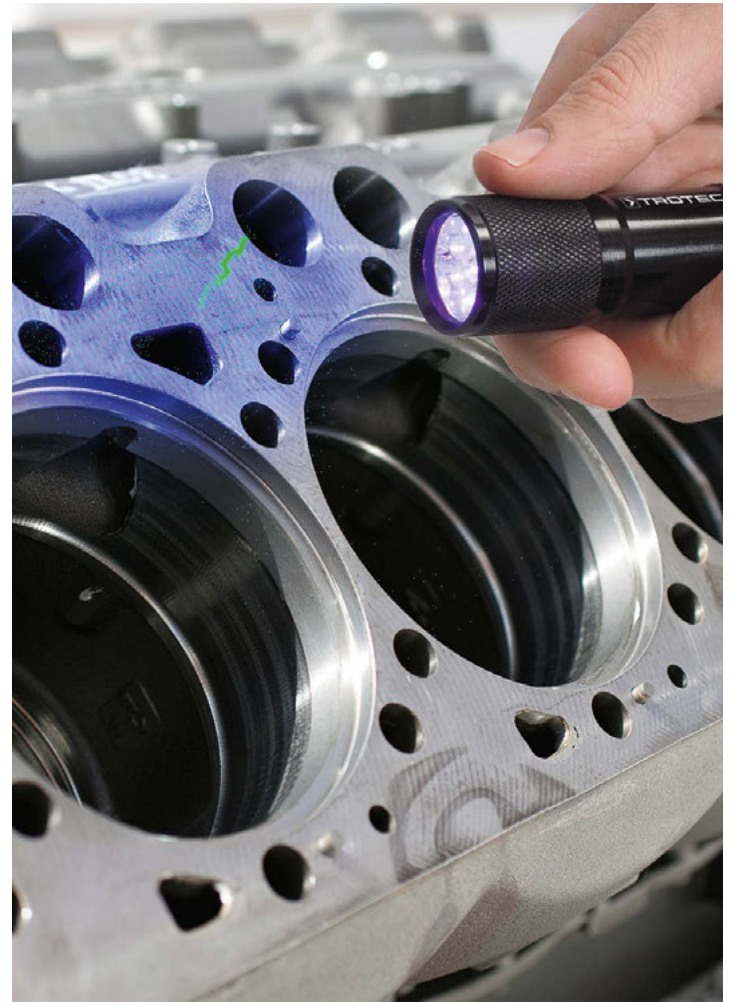


Technical data	BI15	BI20
Article number	3.510.205.140	3.510.205.141
Detection depth for metal and live cables	max. 38 mm	max. 50 mm
Detection depth for wood	max. 19 mm	max. 25.4 mm
Laser rotation	180° in steps of 45°	–
Laser accuracy	12.7 mm at 6.1 m	–
Laser range	max. 6.1 m	–
Power supply	1 x 9 V block battery	1 x 9 V block battery
Dimensions	180 mm x 38 mm x 67 mm	168 mm x 35 mm x 75 mm
Weight	180 g	210 g
Functions	BI15	BI20
MultiMeasure Mobile App necessary	–	–
MultiMeasure Mobile App compatible	–	–
Selectable levelling laser	■	–
Audiovisual alarm upon detection of alternating current	■	–
Signal tone for detection of edges	■	–
Calibration function	■	–
Visual signal transmitter	–	■
Acoustic signal transmitter	–	■
Automatic switch-off	–	■
Battery status indication	■	■
Scope of delivery	BI15	BI20
Battery(-ies)	■	■



UV-Torchlight 5F Ultraviolet LED torch

- Ultraviolet LED technology with 1,000mW and 380 - 385 nm wavelength
- Optimum wavelength for UV light that can be used effectively in many fields of application
- 9 UV high-performance LEDs behind a clear glass lens with high scratch resistance
- Low energy consumption thanks to modern LED technology
- Light, compact and durable aluminium housing with handy surface
- Convenient end cap switch



Overview:
Ultraviolet LED torch



Technical data	UV-Torchlight 5F
Article number	3.510.011.003
Lamp type	9 x LED, approx. 1 W
Wavelength	UV-A, Peak up to 380 - 385 nm
Housing design	6061-T6 aluminium
Type of protection	IP65
Power supply	3 x 1.5 V, AAA
Dimensions	98.5 mm x 29 mm x 29 mm
Weight	79 g
Functions	UV-Torchlight 5F
MultiMeasure Mobile App necessary	—
MultiMeasure Mobile App compatible	—
No warm-up phase – immediately ready for use	■
Insensitive to magnetic fields	■
Scope of delivery	UV-Torchlight 5F
Battery(-ies)	■



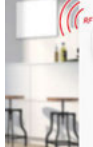
BH30 Socket hygrostat

- Simple handling and programming
- Constant humidity regulation of humidifiers and dehumidifiers to a set value
- Regulation of the humidity level between 20 % and 90 % RH
- Prevention of unnecessary runtimes due to automatic device switch-on/switch-off
- Operating status can be identified by red or green indicator light
- Neatly arranged display
- Reset option for selected settings
- Buffer battery for storage of selected settings



BN30 Socket thermostat

- Simple handling and programming
- Quick adjustment of the programme temperature possible
- Suitable for heating and cooling control
- Operating range from -10 °C to +70 °C
- Regulation from 5 °C to 30 °C
- Temperature control in steps of 0.5 °C
- Permanent consumer switch-off function (OFF)
- Overview display
- Buffer battery for storage of selected settings



BN35 Radio-controlled socket thermostat

- Suitable for heating and cooling control – manually and automatically
- Comprehensive programming options: 7 week programs, 6 changes per day
- Individual programming depending on the day: Mon - Fri, Sat - Sun, Mon - Sun
- Simple and flexible installation – no mains connection or cable
- Suitable for switching up to 100 radio-controlled sockets
- Simple switch-over from daylight saving to standard time
- Operating range from 0 °C to 70 °C
- Temperature control in steps of 1.0 °C
- Automatic frost protection system (5 °C)
- Permanent consumer switch-off function (OFF)
- Large range of up to 20 metres
- Indication of room temperature and time
- Backlit display
- Battery status indication
- For wall mounting

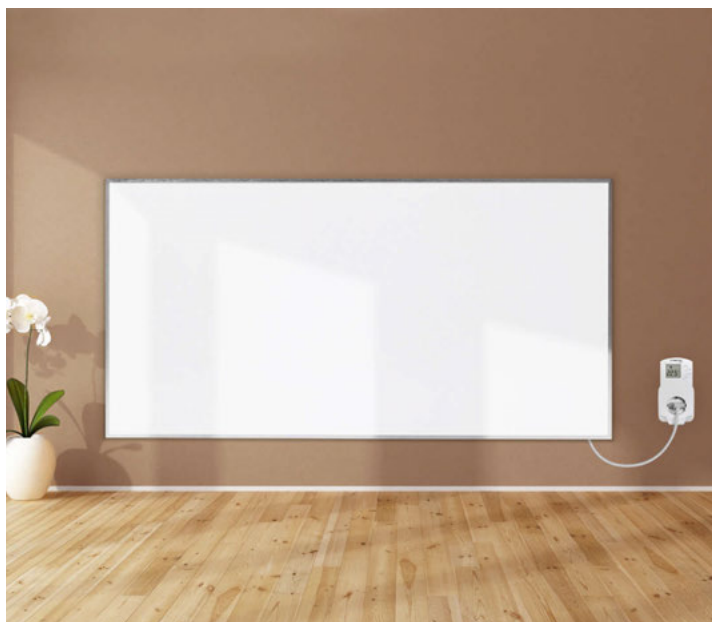


Overview:

**Socket hygrostat /
Socket thermostat /
Radio-controlled socket thermostat**

Technical data		BH30	BN30	BN35
Article number		6.100.004.205	6.100.007.009	6.100.007.008
Switching capacity		9 A / 2,070 VA (Inductive load) 16 A / 3,680 VA (Resistive load)	2 A / 460 VA (Inductive load) 16 A / 3,680 VA (Resistive load)	75 A / 250 VA (Inductive load) 16 A / 250 VA (Resistive load)
Control range		20 % RH up to 90 % RH	5 °C up to 30 °C / 41 °F up to 86 °F	0 °C up to 70 °C / 32 °F up to 158 °F
Accuracy	Humidity	±5 % RH	–	–
	Temperature	–	±0.5 °C	±1 °C
Measuring interval		–	10 s	20 s
Operating conditions		5 °C up to 35 °C at 95 %	-10 °C up to 70 °C	0 °C up to 70 °C
Display		LCD, monochrome	LCD, monochrome	LCD
Insulation		Protection class I	Protection class I	Protection class II
Type of protection		IP30	IP20	IP20
Radio	Transmission frequency	–	–	2.4 GHz
	Range	–	–	20 m
Power supply	Control unit	–	–	2 x 1.5 V, AA
	Radio-controlled socket	230 V/50 Hz / 1x 3 V, CR2032	230 V/50 Hz	230 V/50 Hz
Dimensions		126 mm x 68 mm x 76 mm	140 mm x 60 mm x 75 mm	73 mm x 66 mm x 112 mm
Weight		165 g	340 g	105 g
Functions		BH30	BN30	BN35
MultiMeasure Mobile App necessary		–	–	–
MultiMeasure Mobile App compatible		–	–	–
Humidity control for humidification and dehumidifying operation		■	–	–
Temperature control for heating or cooling operation		–	■	■
Display of the current room humidity		■	–	–
Display of the current room temperature		–	■	■
Target temperature indication		–	–	■
Manual switching function		■	■	–
Programmable timer switch		–	–	■
LED indicator button		–	–	■
Automatic frost protection system		–	–	■
Backlit LCD display		–	–	■
Power fail-safe		■	■	■
Simple switchover from daylight saving to standard time		–	–	■
Memory function		–	–	■
Can be remote-controlled		–	–	■
Battery status indication		–	–	■
Scope of delivery		BH30	BN30	BN35
Battery(-ies)		■	–	■
Optional accessories		BH30	BN30	BN35
Separate radio-controlled socket BN35R		–	–	6.100.007.007

Note: Connected consumers are switched to zero potential when the device is switched OFF and must be provided with an automatic restart function.





BX09 Energy cost measuring device

- Quick and easy measurement of the energy demand
- Power consumption indication in watts, price or costs per kWh
- Minimum possible current indication 0.1 W
- Buffer capacitor for storage of selected settings



BX50 MID Energy consumption measuring device

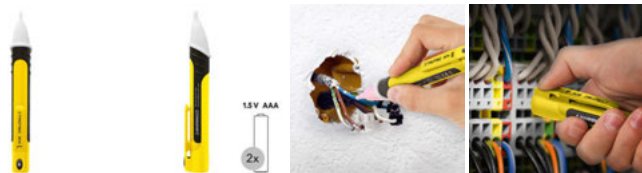
- Development, design, production 100 % Trotec
- Professional measuring device for quickly and easily recording the energy requirement of electric consumers
- MID-compliance – approved for the commercial determination of the energy consumption for billing purposes
- Sealing slots for safeguarding the plugs in compliance with the Weights and Measures Act (MessEG)
- Tamper-proof total consumption meter
- Resettable daily consumption meter
- Dust- and splash-proof – type of protection IP54
- Socket outlet with spring-loaded flap lid to provide protection against pollution when it is not used
- Practice-optimized German industrial design – protected design patent

Overview:
Energy cost measuring device /
MID Energy consumption measuring device



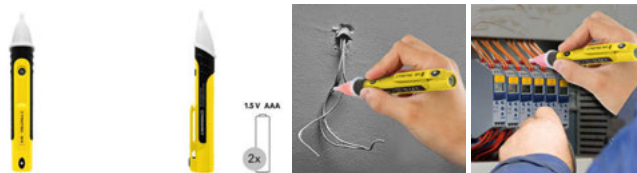
Technical data	BX09	BX50 MID
Article number	3.510.205.918	3.510.205.950
Performance	Measuring range	
	0.1 W up to 3,680 W	57,5 W up to 3,680 W
Maximum performance	3,680 W / 16 A	3,680 W / 16 A
Alternating voltage	–	176 V up to 276 V
Input voltage	230 V, AC / 50 / 60 Hz	230 V, AC / 50 Hz
Consumption measurement	0.01 kWh up to 9,999.9 kWh	0 kWh up to 999,999.9 kWh
Recording capacity	9,999.9 h	–
Surrounding conditions	5 °C up to 40 °C	-25 °C up to 55 °C
Measuring circuit category	–	CAT II (600 V)
Insulation	Protection class I	Protection class II
Accuracy class	–	Class 1 IEC62053-21, Class B EN50470-1/3
Type of protection	IP20	IP54
Measured values	Power [W], Power consumption indication [kWh], Price [€], Costs per kWh [€/kWh]	Power [W], AC voltage [V/AC], Alternating current [A/AC], Frequency [Hz], Power factor [cos φ], Indication of max. electricity demand [W], Indication of absolute consumption [kWh]
Power supply	230 V, AC / 50 / 60 Hz	230 V, AC / 50 Hz
Dimensions	95 mm x 51 mm x 70 mm	77 mm x 68 mm x 118 mm
Weight	100 g	155 g
Functions	BX09	BX50 MID
Tamperproof total consumption meter	–	■
Resettable daily consumption meter	–	■
Display illumination	–	■
Power fail-safe	■	■
Optional accessories	BX09	BX50 MID
Safety seal	–	6.100.002.090

*MID-compliant counters correspond to the European Measuring Instruments Directive (MID) that defines the requirements for active power meters used for billing purposes. This for example also applies to the energy consumption measuring for recharging to insurance companies or customers. The former initial factory calibration is now replaced by the MID compliance, however, the devices have to be re-calibrated after a defined period of time – for instance after 8 years in case of electronic counters in Germany.



BE14 Voltage detector

- Quick non-contact detection of alternating voltages
- Visual and acoustic alarm function
- Compact design in pen shape with pocket clip
- Integrated torch



BE15 Voltage detector

- Selection of two measuring ranges with different sensitivity levels
- Quick non-contact detection of alternating voltages
- Visual and acoustic alarm function
- Compact design in pen shape with pocket clip
- Integrated torch



BE16 Voltage detector

- Quick and non-contact detection of alternating voltage
- Visual and acoustic alarm when voltage is present
- Stepless adjustment of the measurement sensitivity
- Compact design in pen shape with pocket clip
- Integrated LED lamp for operation in unfavourable lighting conditions





BE17 Voltage tester

- Versatile bipolar voltage tester for measuring alternating (AC) and direct (DC) voltage as well as polarity
- RCD test, 30 mA
- IP64 type of protection
- Overvoltage category CAT III 400 V
- Dust- and splash-proof housing



BE20 Voltage tester

- Unipolar phase testing without counter potential
- Versatile bipolar voltage tester for measuring alternating (AC) and direct (DC) voltage as well as polarity and rotating field
- Visual and acoustic continuity test
- Voltage indication even with empty batteries
- Automatic switch-off
- Integrated torch for measuring point illumination
- Automatic function test
- Impact-, dust- and splash-proof housing



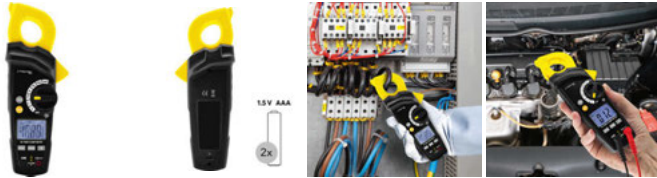
BE38 Clamp meter

- Robust housing
- CAT III 300 V
- Measurement of alternating current up to 400 A
- Voltage measurement up to 300 V (AC/DC)
- Resistance measurement and diode test
- Acoustic continuity test
- Hold function
- Suitable for line diameters of up to 25 mm



BE40 Clamp meter

- Robust housing with injectionmoulded rubber coating
- CAT III 600 V
- Measurement of alternating current up to 1,000 A
- Voltage measurement up to 600 V (AC/DC)
- Resistance measurement
- Continuity and diode test
- Automatic and manual range selection
- Measured value hold function and maximum value indication
- Backlit display
- Suitable for line diameters of up to 30 mm
- Automatic switch-off



BE42 TRMS clamp meter

- Robust housing
- CAT III 600 V
- Measurement of alternating current up to 400 A
- Measurement of AC voltage up to 600 V
- Measurement of DC voltage up to 600 V
- Resistance measurement
- Continuity and diode test
- Automatic and manual range selection
- Measured value hold function and maximum value indication
- Dust-protected – protection type IP40
- Backlit display
- Suitable for line diameters of up to 28 mm
- Automatic switch-off
- Battery status indication
- Integrated LED lamp



BE44 Clamp meter

- Robust housing
- CAT III 1,000 V / 750 V
- Measurement of alternating current up to 1,000 A
- Measurement of direct current up to 1,000 A
- Measurement of AC voltage up to 750 V
- Measurement of DC voltage up to 1,000 V
- Resistance measurement
- Continuity and diode test
- Duty cycle measurement
- Frequency measurement
- Polarity indicator
- Overload protection
- Automatic and manual range selection
- Hold function
- Backlit display
- Bar graph indicator
- Suitable for line diameters of up to 38 mm
- Automatic switch-off
- Battery status indication
- Integrated LED lamp



BE47 Digital multimeter

- Robust multifunction measuring meter with protective rubber holster
- CAT II 600 V, CAT III 300 V
- Diode test
- Battery test (9 V, 1.5 V)
- Acoustic continuity test
- Battery status indicator



BE49 Digital multimeter

- Digital multifunction measuring meter with seven measuring functions
- Particularly hardwearing and powerful
- Automatic range selection
- CAT III 600 V
- Impact-proof housing
- Dust-protected – protection type IP40
- Insulation protection class II for measuring device and measuring lines
- Hold function
- Backlit display
- Automatic switch-off

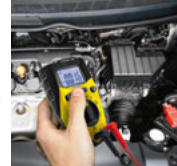


BE50 Digital multimeter

- Digital multifunction measuring meter with eleven measuring functions
- Particularly hardwearing and powerful
- Automatic range selection
- CAT III 1,000 V / CAT IV 600 V
- Impact-proof housing
- IP67 type of protection – dust and water-proof
- Function for non-contact voltage detection
- Insulation protection class II for measuring device and measuring lines
- Temperature measurement with type K contact sensor
- Hold function
- Backlit display
- Automatic switch-off



MultiMeasure Mobile ready



BE52 Digital TRMS multimeter

- Digital multifunction measuring meter with ten measuring functions
- Particularly hardwearing and powerful
- Automatic range selection
- CAT III 600 V
- Impact-proof housing
- Dust-protected – protection type IP40
- Insulation protection class II for measuring device and measuring lines
- Hold function
- Compatible with the MultiMeasure Mobile app (Bluetooth)
- Backlit display
- Automatic switch-off



MultiMeasure Mobile ready



BE60 Digital TRMS multimeter with thermal imaging camera

- Digital multifunction measuring meter with eleven measuring functions
- Particularly hardwearing and powerful
- Automatic range selection
- CAT III 600 V / CAT IV 300 V
- Impact-proof housing
- Dust-protected – protection type IP40
- Insulation protection class II for measuring device and measuring lines
- Temperature measurement with integrated thermal imaging camera
- Hold function
- Compatible with the MultiMeasure Mobile app (Bluetooth)
- Backlit display
- Automatic switch-off



Overview:
Voltage detectors /
Voltage testers

Technical data	BE14	BE15	BE16	BE17	BE20
Article number	3.510.205.214	3.510.205.216	3.510.205.217	3.510.205.227	3.510.205.230
Voltage indication	Single-colour LED	Single-colour LED	Single-colour LED	LED bargraph	LED bargraph
Test type	Non-contact	Non-contact	Non-contact	Bipolar contact measurement	Bipolar contact measurement
Measuring range	U_{AC} 200 V up to 1,000 V	U_{AC} 24 V up to 1,000 V U_{AC} 200 V up to 1,000 V	U_{AC} 5 V up to 1,000 V	U_{DC} 12 V up to 400 V U_{AC} 12 V up to 400 V	U_{DC} 12 V up to 690 V U_{AC} 12 V up to 400 V
Measuring circuit category	CAT III (1,000 V) CAT IV (600 V)	CAT III (1,000 V) CAT IV (600 V)	CAT IV (1,000V)	CAT III (400 V)	CAT III (600 V)
Internal resistance	–	–	–	300 k Ω / 25 k Ω	300 k Ω
Conformity	EN 61326, EN 61010-1, EN 61010-2-031, Degree of pollution 2	EN 61326, EN 61010-1, EN 61010-2-033, Degree of pollution 2	EN 61610-1:2010, EN 61610-2-033:2012, EN 61326-1:2013, EN 61326-2-2:2013, Degree of pollution 2	IEC 61243-3	EN 61326, EN 61010-1, EN 61010-2-031
Type of protection	–	–	–	IP64	IP64
Power supply	2 x 1.5 V, AAA	2 x 1.5 V, AAA	2 x 1.5 V, AAA	Via measuring voltage	2 x 1.5 V, AAA
Dimensions	176 mm x 26 mm x 26 mm	158 mm x 21 mm x 25 mm	154 mm x 32 mm x 28 mm	240 mm x 26 mm x 45 mm	240 mm x 40 mm x 78 mm
Weight	48 g	48 g	50 g	130 g	237 g
Functions	BE14	BE15	BE16	BE17	BE20
MultiMeasure Mobile App necessary	–	–	–	–	–
MultiMeasure Mobile App compatible	–	–	–	–	–
Non-contact AC voltage detection (without galvanic contact)	■	■	■	–	–
Automatic detection of DC and AC voltage	–	–	–	■	■
Automatic switch-on	–	–	–	■	–
Polarity test	–	–	–	■	■
Acoustic continuity check	–	–	–	–	■
Visual continuity check	–	–	–	–	■
RCD test (FI)	–	–	–	■	–
Low ohmic test	–	–	–	■	–
Phase sequence indicator	–	–	–	–	■
Unipolar phase testing	–	–	–	–	■
Overvoltage protection	–	–	–	■	–
Acoustic alarm	■	■	■	–	■
Visual alarm	■	■	■	–	■
Integrated torch	■	■	■	–	■
Scope of delivery	BE14	BE15	BE16	BE17	BE20
Battery(-ies)	■	■	■	–	■
Measuring tip adapter (4 mm)	–	–	–	■	■



Overview: Clamp meters



Technical data		BE38	BE40	BE42	BE44
Article number		3.510.205.239	3.510.205.240	3.510.205.242	3.510.205.244
Measuring range (Accuracy)	Voltage	U_{DC} 0 V up to 300 V, U_{AC} 0 V up to 300 V (UDC $\pm 1\%$, U_{AC} $\pm 1.2\%$)	U_{DC} 0 V up to 600 V, U_{AC} 0 V up to 600 V (U_{DC} $\pm 0.8\%$, U_{AC} $\pm 0.8\%$)	U_{DC} 0.2 V up to 600 V (0.2 V $\pm 0.8\%$, 2 V/20 V/200 V $\pm 1.5\%$, 600 V $\pm 2\%$), U_{AC} 2 V up to 600 V (2 V/20 V/200 V $\pm 1.8\%$, 600 V $\pm 2.5\%$)	U_{DC} 6 V up to 1,000 V (6 V/60 V/600 V $\pm 0.8\%$, 1,000 V $\pm 1\%$), U_{AC} 6 V up to 750 V (6 V $\pm 0.8\%$, 60 V/600 V/750 V $\pm 1.2\%$)
	Current	I_{AC} 0 A up to 400 A (I_{AC} $\pm 3\%$)	I_{AC} 0 A up to 1,000 A (I_{AC} $\pm 3\%$)	I_{AC} 2 A up to 400 A (2 A/20 A/200 A $\pm 2.5\%$, 400 A $\pm 3\%$)	I_{DC} 60 A up to 1,000 A ($\pm 3\%$), I_{AC} 60 A up to 1,000 A ($\pm 2.5\%$)
	Resistance	0 Ω up to 200 k Ω ($\pm 1.2\%$)	0 Ω up to 20 M Ω ($\pm 1\%$)	200 Ω up to 20 M Ω (200 Ω $\pm 1\%$, 2 k Ω /20 k Ω $\pm 1.5\%$, 2 M Ω $\pm 2.5\%$, 20 M Ω $\pm 3.5\%$)	600 Ω up to 60 M Ω (600 Ω /6 k Ω /60 k Ω /600 k Ω $\pm 1\%$, 6 M Ω $\pm 1.5\%$, 60 M Ω $\pm 3\%$)
	Frequency (pliers)	–	–	–	40 Hz up to 999.9 Hz ($\pm 1\%$)
	Frequency (with test probes)	–	–	–	9.999 Hz up to 9.999 MHz (9.99 Hz/99.99 Hz/999.9 Hz/ 9.999 kHz/99.99 kHz/999.9 kHz $\pm 1\%$)
	Duty cycle	–	–	–	5 % up to 95 % ($\pm 2\%$)
	Capacity	–	–	–	40 nF up to 4,000 μ F (40 nF/400 nF/4 μ F/40 μ F/400 μ F $\pm 5\%$)
Measuring circuit category		CAT III (300 V)	CAT III (600 V)	CAT III (600 V)	CAT III (1,000 V), CAT IV (600 V)
Conformity		EN 61326	EN 61326, EN 61010-1, EN 61010-2-031, Degree of pollution 2	EN 61010-1, Degree of pollution 2	EN 61010-1, Degree of pollution 2
Type of protection		IP20	–	IP40	IP20
Power supply		3 x 3 V, CR2032	2 x 1.5 V, AAA	2 x 1.5 V, AAA	3 x 1.5 V, AAA
Dimensions		148 mm x 27 mm x 60 mm	229 mm x 48 mm x 80 mm	210 mm x 75 mm x 35 mm	243 mm x 87 mm x 44 mm
Weight		155 g	303 g	285 g	372 g
Functions		BE38	BE40	BE42	BE44
MultiMeasure Mobile App necessary		–	–	–	–
MultiMeasure Mobile App compatible		–	–	–	–
Maximum value display		–	■	■	–
Hold function		■	■	■	■
Automatic measuring range selection		–	■	■	■
Indication when exceeding the measuring range		–	–	■	■
Direct current		–	–	–	■
Alternating current		–	■	■	■
DC voltage		–	■	■	■
AC voltage		–	■	■	■
Capacity		–	–	–	■
Frequency		–	–	–	■
Duty cycle		–	–	–	■
Resistance		–	■	■	■
Diode test		■	■	■	■
Continuity check		■	■	■	■
Backlit display		–	■	■	■
Integrated LED lamp		–	–	■	■
Automatic switch-off		–	■	■	■
Battery status indication		■	–	■	■
Scope of delivery		BE38	BE40	BE42	BE44
Battery(-ies)		■	■	■	■
Safety measuring lines with test probes		■	■	■	■
Bag/Holster		–	■	–	■

Overview:
Digital multimeters

Technical data		BE47	BE49	BE50	BE52	BE60
Article number		3.510.205.247	3.510.205.249	3.510.205.250	3.510.205.252	3.510.205.260
Measuring range (Accuracy)	Voltage	U_{DC} 0.001 V up to 600 V, U_{AC} 0.1 V up to 600 V ($U_{DC} \pm 1\%$, $U_{AC} \pm 1.2\%$)	U_{DC} 0.2 V up to 600 V (0.2 V $\pm 0.8\%$, 2 V/20 V/200 V $\pm 1.5\%$, 600 V $\pm 2\%$), U_{AC} 0.2 V up to 600 V (2 V/20 V/200 V $\pm 1.8\%$, 600 V $\pm 2.5\%$)	U_{DC} 0.1 V up to 1,000 V, U_{AC} 0.1 mV up to 1,000 V ($U_{DC} \pm 1.2\%$, $U_{AC} \pm 2\%$)	U_{DC} 0.4 V up to 600 V (0.4 V/4 V/40 V/400 V/ 600 V $\pm 1\%$, U_{AC} 4 V up to 600 V (4 V/40 V/400 V/600 V $\pm 1.2\%$)	U_{DC} 0.4 V up to 600 V (0.4 V $\pm 0.8\%$, 4 V/40 V $\pm 0.5\%$, 400 V/600 V $\pm 0.8\%$)
	Voltage TRMS	—	—	—	—	U_{AC} 4 V up to 600 V (4 V/40 V/400 V/600 V $\pm 1\%$)
	AC voltage + DC voltage TRMS	—	—	—	—	$U_{DC/AC}$ 4 V up to 600 V (4 V/40 V/400 V/600 V $\pm 2.5\%$)
	Current	I_{DC} 0.01 A up to 10 A ($I_{DC} \pm 2.0\%$)	I_{DC} 200 μ A up to 10 A (200 μ A $\pm 1\%$, 2 mA/20 mA/200 mA $\pm 1.5\%$, 10 A $\pm 2.5\%$), I_{AC} 0.02 A up to 10 A (0.02 A $\pm 1.5\%$, 2 mA/20 mA/200 mA $\pm 2\%$, 10 A $\pm 3\%$)	I_{DC} 0.0001 A up to 10 A, I_{AC} 0 A up to 10 A ($I_{DC} \pm 1.5\%$, $I_{AC} \pm 2\%$)	I_{DC} 400 μ A up to 10 A (400 μ A $\pm 1\%$, 4 mA/40 mA/400 mA/ 4 A/10 A $\pm 1.2\%$), I_{AC} 400 μ A up to 10 A (400 μ A/4000 μ A/ 0.04 A/0.4 A $\pm 1.2\%$, 4 A/10 A $\pm 1.8\%$)	I_{DC} 400 μ A up to 10 A (400 μ A/4 mA/ 40 mA/400 mA $\pm 1.5\%$, 10 A $\pm 2\%$)
	Current TRMS	—	—	—	—	I_{AC} 400 μ A up to 10 A (400 μ A/4 mA/ 40 mA/400 mA $\pm 2\%$, 10 A $\pm 2.5\%$)
	Capacity	—	—	10 pF up to 100 μ F ($\pm 3\%$)	40 nF up to 4000 μ F (40 nF/400 nF $\pm 4.5\%$, 4 μ F/40 μ F/400 μ F $\pm 3\%$, 4000 μ F $\pm 5\%$)	40 nF up to 4000 μ F (40 nF/400 nF/4 μ F/ 40 μ F/400 μ F $\pm 3\%$, 4000 μ F $\pm 3.5\%$)
	Resistance	0 Ω up to 2,000 k Ω ($\pm 0.8\%$)	200 Ω up to 20 M Ω (200 Ω $\pm 1\%$, 2 k Ω /20 k Ω /200 k Ω $\pm 1.5\%$ 2 M Ω $\pm 2.5\%$, 20 M Ω $\pm 3.5\%$)	0.1 Ω up to 10 M Ω ($\pm 1.2\%$)	400 Ω up to 40 M Ω (400 Ω /4 k Ω /40 k Ω / 400 k Ω /4 M Ω $\pm 1.5\%$, 40 M Ω $\pm 2.5\%$)	400 Ω up to 40 M Ω (400 Ω /4 k Ω /40 k Ω / 400 k Ω /4 M Ω $\pm 1\%$, 40 M Ω $\pm 2.5\%$)
Thermal imaging camera	Frequency	—	—	1 mHz - 10 MHz ($\pm 1.2\%$)	10 Hz - 10 KHz ($\pm 1.2\%$)	—
	Frequency (AC mains voltage)	—	—	—	—	40 Hz - 10 KHz ($\pm 0.5\%$)
	Frequency (electronic circuits)	—	—	—	—	40 Hz - 10 MHz ($\pm 0.2\%$)
	Temperature	—	—	-20 °C up to 760 °C ($\pm 3.0\%$; $\pm 5\%$ °C)	—	-20 °C up to 260 °C ($\pm 3.0\%$; $\pm 3\%$ °C)
	Duty cycle	—	—	0.1% up to 99.9% ($\pm 1.2\%$)	0.1% up to 99.9% ($\pm 1.2\%$)	10% up to 90% ($\pm 1.2\%$)
	Field of View	—	—	—	—	21° x 21° (FoV)
	Minimum focal length	—	—	—	—	0.5 m
	Spatial resolution (IFOV)	—	—	—	—	4.53 mrad
	IR resolution	—	—	—	—	80 x 80 px
	Thermal sensitivity	—	—	—	—	<0.1 °C @ 30 °C
	NETD	—	—	—	—	100 mk
Refresh rate	—	—	—	—	50 Hz	
Focus	—	—	—	—	fix	
Focal length	—	—	—	—	7.5 mm	
Focal Plane Array	—	—	—	—	Microbolometer, uncooled	
Spectral range	—	—	—	—	8 - 14 μ m	
Measuring circuit category		CAT II (600 V), CAT III (300 V)	CAT III (600 V)	CAT III (1,000 V), CAT IV (600 V)	CAT III (600 V)	CAT IV (600 V)
Safety		EN 61010-1	EN 61010-1	EN 61010-1	EN 61010-1	EN 61010-1
Type of protection		IP50	IP40	IP67	IP40	IP40
Data interface		—	—	—	Bluetooth 4.0	Bluetooth 4.0
Power supply		1 x 9 V block battery	2 x 1.5 V, AAA	1 x 9 V block battery	2 x 1.5 V, AAA	1 x 3.7 V Li-Ion, 1,400 mAh
Dimensions		122 mm x 40 mm x 61 mm	121 mm x 35 mm x 65 mm	182 mm x 55 mm x 82 mm	125 mm x 45 mm x 65 mm	150 mm x 46 mm x 70 mm
Weight		260 g	171 g	320 g	205 g	285 g
Functions		BE47	BE49	BE50	BE52	BE60
MultiMeasure Mobile App necessary / compatible		—/—	—/—	—/—	—/■	—/■
Polarity indicator		—	—	—	■	■
Minimum value display / Maximum value display		—/—	—/■	—/—	■/■	■/■
Hold function		—	■	■	■	■
Automatic measuring range selection		—	■	■	■	■
Indication when exceeding the measuring range		—	■	—	—	■
Non-contact detection of AC voltage		—	—	■	—	—
Diode test / Continuity check		■	■	■	■	■
Type K contact temperature measurement		—	—	■	—	—
Visual alarm		—	—	■	—	—
LC-Display / Backlit display / TFT colour display		■/—	■/■/—	■/■/—	■/■/—	■/■/■
Automatic switch-off		—	■	■	■	■
Battery status indication		■	■	■	■	■
Battery test (9 V, 1.5 V)		■	—	—	—	—
Integrated torch		—	—	—	■	—
Scope of delivery		BE47	BE49	BE50	BE52	BE60
Battery(-ies) / Li-Ion battery (integrated)		■/—	■/—	■/—	■/—	—/■
Safety measuring lines with test probes		■	■	■	■	■
Contact temperature sensor type K		—	—	■	—	—
Micro-USB cable		—	—	—	—	■
Transport case		—	—	—	—	■
Optional accessories		BE47	BE49	BE50	BE52	BE60
USB power adapter		—	—	—	—	6.300.000.003



BO21 Videoscope

- Immediately ready for use – just switch it on and get started
- Robust videoscope probe with fixed-focus lens and waterproof camera head (IP67 type of protection)
- 2.4-inch LCD colour screen
- High-intensity quad LED illumination with dimmer
- 180° image rotation function
- Bendable, inherently stable gooseneck probe
- Mobile, battery-supplied operation
- Automatic switch-off
- Inclusive of side-view mirror, hook and magnet attachment



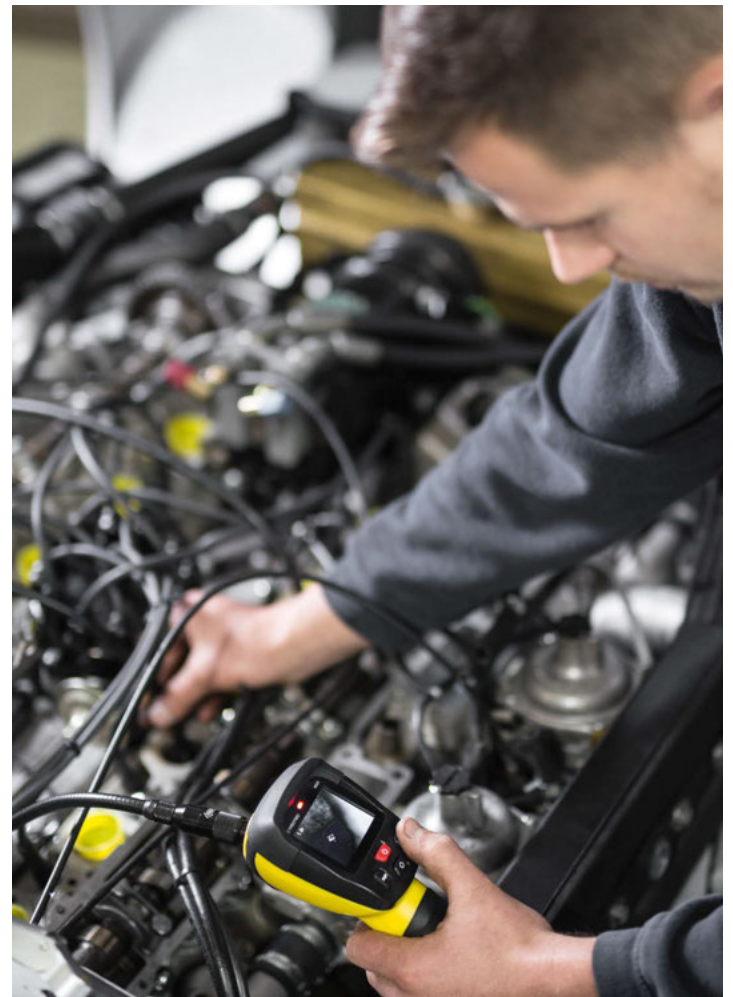
BO22 Mini videoscope

- Bendable, semi-rigid gooseneck probe of 95 cm length (Ø 5.5 mm)
- Waterproof according to protection type IP67 (gooseneck probe and camera head) for underwater application
- 3 inch digital LCD colour display
- Still image, photo and video modes
- High-quality camera with a resolution of 1280 x 720 px
- Recording photos and videos – with inserted microSD card, store up to 32 GB
- 6x LED light at the camera head with 4 brightness levels
- LED light on the housing (torch function)
- Compact probe cable winding
- Flip function for a 180° image rotation
- 3x digital zoom
- 1 to 30 cm depth of field, 65° field of vision
- Including 3-piece accessory kit with 45° mirror, hook and magnet attachments



BO26 Videoscope

- Light, easy-to-handle compact device with semi-rigid gooseneck probe
- Memory function to take individual photographs or record complete video sequences
- Robust videoscope probe with fixed-focus lens and waterproof camera head (IP67 type of protection)
- 3.5-inch LCD colour screen
- High-intensity quad LED illumination with dimmer
- Intuitive user navigation through multilingual on-screen menu
- Multiple image rotation function
- Automatic switch-off
- Inclusive of side-view mirror, hook and magnet attachment



Overview:
Videoscopes



Technical data	B021	B022	B026
Article number	3.510.009.121	3.510.009.122	3.510.009.126
Display	TFT, colour, 2.4 inch LCD (480 x 234 pixels)	TFT, colour, 3 inch LCD (640 x 480 pixels)	TFT, colour, 3.5 inch LCD (320 x 240 pixels)
Probe / Camera head	Ø = 8 mm / 17 mm, L = 1,000 mm	Ø = 5,5 mm / 6 mm, L = 950 mm	Ø = 8 mm / 17 mm, L = 1,000 mm
Focussing range	50 mm up to 150 mm	10 mm up to 300 mm	50 mm up to 150 mm
Type of illumination	Quad LED	Six-fold LED	Quad LED
Zoom	2x	3x	3x
Type of protection	IP67	IP67	IP67
Operating temperature	-10 °C up to 50 °C	-10 °C up to 60 °C	0 °C up to 50 °C
Power supply	4 x 1.5 V, AA	4 x 1.5 V, AA	1 x 3.7 V / 1,800 mA Li-Ion battery integrated
Dimensions	207 mm x 60 mm x 80 mm	162 mm x 85 mm x 35 mm	255 mm x 85 mm x 110 mm
Weight	800 g	385 g	840 g
Functions	B021	B022	B026
MultiMeasure Mobile App necessary	–	–	–
MultiMeasure Mobile App compatible	–	–	–
Zoom function	2x	3x	3x
Image rotation function	180°	180°	4x90°
Brightness control	■	■	■
Bendable, inherently stable gooseneck probe	■	■	■
Fixed focus lens	■	–	■
Video recording	–	■	■
Photo recording	–	■	■
Still image	–	■	–
Audio recording	–	–	■
Photo memory with date and time	–	■	■
Shooting and saving individual images and complete video sequences	–	■	■
Multilingual on-screen menu	–	–	■
Torch function	–	■	–
Automatic switch-off	■	–	■
Battery status indication	–	■	–
Scope of delivery	B021	B022	B026
Battery(-ies)	■	■	–
3.7 V Li-Ion battery	–	–	■
Mirror attachment	■	■	■
Hook attachment	■	■	■
Magnetic adapter	■	■	■
RCA cable	–	–	■
Power adapter	–	–	■
USB cable	–	–	■
Transport case	–	–	■
Transport bag	–	■	–
Optional accessories	B021	B022	B026
B021 E 17,0-1000 Extension	3.510.009.270	–	–
B021 P 17,0-1000 Probe	3.510.009.269	–	–
B021 P 4,5-1000 Probe	3.510.009.210	–	–
B021 P 4,5-2000 Probe	3.510.009.212	–	–
B021 P 4,5-3000 Probe	3.510.009.220	–	–
B021 P 6,0-1000 Probe	3.510.009.230	–	–
B021 P 6,0-3000 Probe	3.510.009.240	–	–
B021 P 9,0-1000 Probe	3.510.009.250	–	–
B021 P 9,0-3000 Probe	3.510.009.260	–	–
B026 E 17,0-1000 Extension	–	–	3.510.009.271
B026 P 17,0-1000 Probe	–	–	3.510.009.268
B026 P 4,5-1000 Probe	–	–	3.510.009.215
B026 P 4,5-2000 Probe	–	–	3.510.009.211
B026 P 4,5-3000 Probe	–	–	3.510.009.221
B026 P 6,0-1000 Probe	–	–	3.510.009.231
B026 P 6,0-3000 Probe	–	–	3.510.009.241
B026 P 9,0-1000 Probe	–	–	3.510.009.251
B026 P 9,0-4000 Probe	–	–	3.510.009.261

Trotec measuring devices WP-Series with appSensor

Measurement data management with wireless connection for mobile devices



One app, plenty of measuring devices, countless possibilities MultiMeasure Mobile for appSensors

Trotec appSensors are compact precision measuring devices with high-quality sensors. Designed in a way to save space and energy, they have neither display unit nor evaluation electronics – data analysis and operation are realized almost entirely by means of the smartphone.

Combined with the free app MultiMeasure Mobile this measuring device concept offers many compelling advantages. All appSensors are automatically identified by the app and can be connected quickly and easily to a mobile terminal device using wireless technology.

For individual or non-stop measuring operations, MultiMeasure Mobile provides manifold display options for the indication of measured values: numerical, in form of a chart or as a combination of several measurement parameters.

Using the integrated customer management function all of the measured data can be assigned to projects and clients via the app. The built-in report function further facilitates a quick on-site documentation. All data can be shared with customers or colleagues and even be synchronized via the MultiMeasure Cloud using an existing PC installation of MultiMeasure Studio Professional.



In addition to typical professional analysis options and the smart measurement data linkage of the parallel-connected appSensors the app MultiMeasure Mobile offers a still greater number of innovative functions such as matrix measurements that are linked to photos: Just take a photo, mark the position of the measuring point on it, carry out the measurement and then save it all.

All measuring points and data remain linked to the photo for later analysis and can also be prepared as matrix representation e.g. to indicate the distribution of moisture or heat.

A few practical benefits

- Development, design, production: 100 % Trotec
- Professional measuring system consisting of individual appSensors centrally controlled via app
- MultiMeasure Mobile – free app for the operation, evaluation and measured value indication of all connected measuring devices
- appSensors – compact, professional measuring devices without display but with high-quality measuring sensors and smartphone control
- The appSensor product range comprises various measuring devices for different measuring applications and is permanently enhanced
- Analysis tools, report generating function and customer management are already integrated in the app ready for use
- Simple data export option, also convenient measurement data synchronization via cloud to a PC with installed MultiMeasure Studio Professional

MultiMeasure Mobile – free download

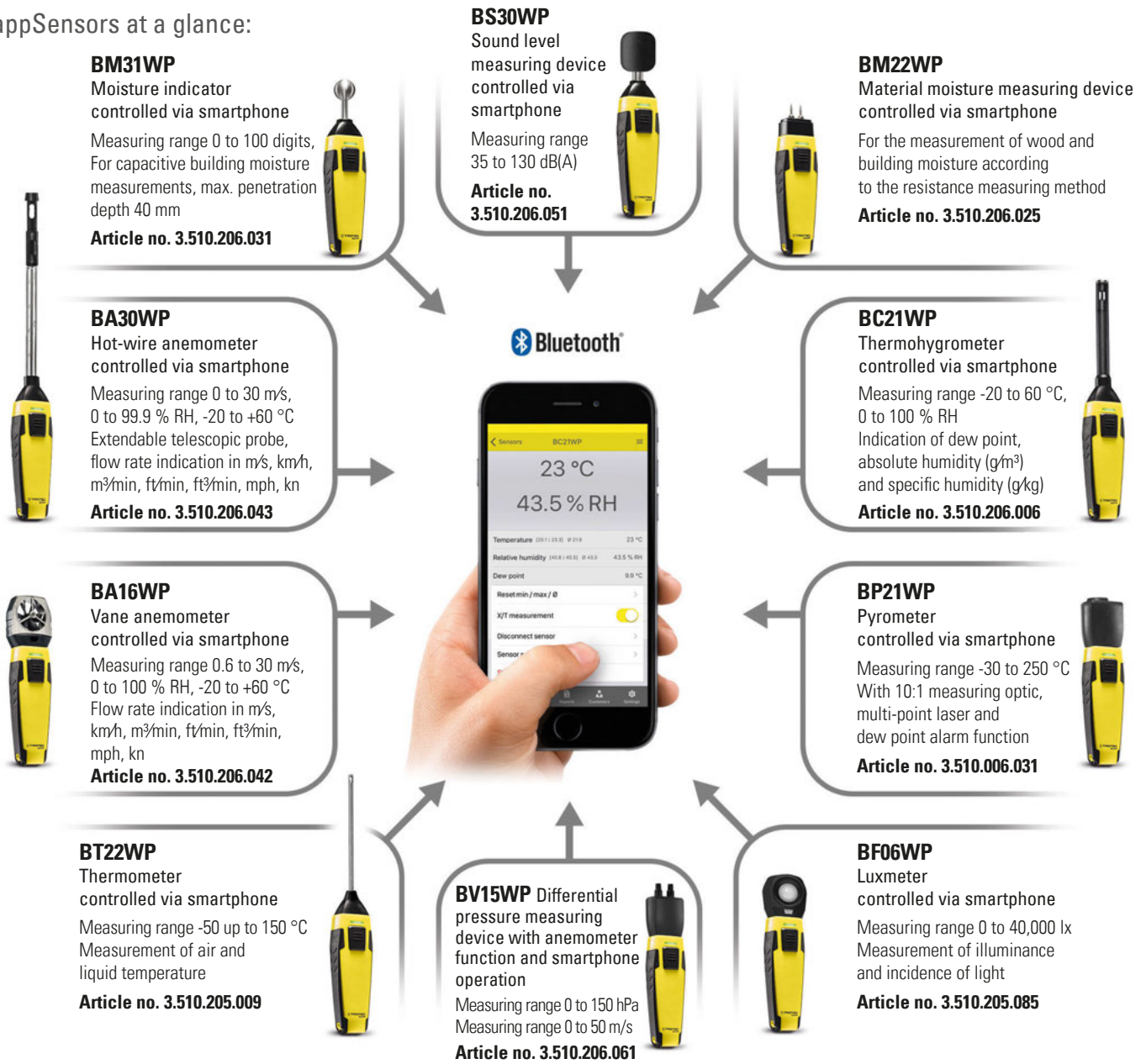
The Trotec app MultiMeasure Mobile turns your mobile terminal device into a multifunctional measurement data management tool.

The operation is as simple and intuitive as the installation: Simply download MultiMeasure Mobile for free onto your mobile device – it is available for iOS and Android.



turn your smartphone into a multifunctional measuring station

All appSensors at a glance:



BM31WP

Moisture indicator controlled via smartphone
Measuring range 0 to 100 digits, For capacitive building moisture measurements, max. penetration depth 40 mm
Article no. 3.510.206.031

BS30WP

Sound level measuring device controlled via smartphone
Measuring range 35 to 130 dB(A)
Article no. 3.510.206.051

BM22WP

Material moisture measuring device controlled via smartphone
For the measurement of wood and building moisture according to the resistance measuring method
Article no. 3.510.206.025

BA30WP

Hot-wire anemometer controlled via smartphone
Measuring range 0 to 30 m/s, 0 to 99.9 % RH, -20 to +60 °C
Extendable telescopic probe, flow rate indication in m/s, km/h, m³/min, ft³/min, mph, kn
Article no. 3.510.206.043

BC21WP

Thermohygrometer controlled via smartphone
Measuring range -20 to 60 °C, 0 to 100 % RH
Indication of dew point, absolute humidity (g/m³) and specific humidity (g/kg)
Article no. 3.510.206.006

BA16WP

Vane anemometer controlled via smartphone
Measuring range 0.6 to 30 m/s, 0 to 100 % RH, -20 to +60 °C
Flow rate indication in m/s, km/h, m³/min, ft³/min, mph, kn
Article no. 3.510.206.042

BP21WP

Pyrometer controlled via smartphone
Measuring range -30 to 250 °C
With 10:1 measuring optic, multi-point laser and dew point alarm function
Article no. 3.510.006.031

BT22WP

Thermometer controlled via smartphone
Measuring range -50 up to 150 °C
Measurement of air and liquid temperature
Article no. 3.510.205.009

BV15WP Differential pressure measuring device with anemometer function and smartphone operation
Measuring range 0 to 150 hPa
Measuring range 0 to 50 m/s
Article no. 3.510.206.061

BF06WP

Luxmeter controlled via smartphone
Measuring range 0 to 40,000 lx
Measurement of illuminance and incidence of light
Article no. 3.510.205.085

MultiMeasure Mobile – all of the app's advantages at one glance:

- Automatic identification of appSensors
- Simultaneous operation of several appSensors
- Quick and intuitive navigation
- Numerical measured value indication or else in form of a chart / matrix
- Integrated report function for the documentation directly on site
- PDA function for the organization of measurement data and documents
- Customer management already integrated
- Manifold analysis options directly in the app
- Storage of measured values linked to photos
- Matrix measurements, also linked to photos
- Complete data synchronization with MultiMeasure Professional via cloud

Function for the automatic synchronization via the MultiMeasure Cloud



or CSV-export



It is not necessary to install MultiMeasure Studio Professional on a PC in or to use the appSensors. All you need for the application of the measuring devices is a mobile terminal device with MultiMeasure Mobile.

However, as a user of the Studio version you'll further benefit from the smart interaction of the two applications. All values and measurement series incl. photos and the corresponding customer data can be imported to MultiMeasure Studio Professional from the app and then be further processed and archived there!

All of Trotec's appSensors offer the following advantages:



- Professional sensors for precise measuring results
- Foolproof connection of the app via Bluetooth with visual connection confirmation by means of an LED at the device
- Wireless control of the measuring devices and display of data via app
- Simple measured value detection even at remote locations since the values do not have to be read directly from the measuring device
- Additional determination and indication of minimum, maximum and average values
- Hold, logging and alarm functions
- Practice-optimized German industrial design – protected design patent

EFFECTIVE.

CARE AND PROTECTION BY TROTEC.



Descaler

Reliable Descaling with colour indication

- Universally applicable: air conditioners, humidifiers, coffee machines, espresso machines, and much more.
- 100% biodegradable
- Suitable for appliances by all manufacturers
- Safety-lock / child lock

LiQVit

Hygienic product for humidifiers

- Ensures hygienically perfect evaporation water in the humidifier
- Prevents germination, algae, mould and bacteria
- Lime and mineral deposits are reduced
- Improves evaporation performance

SecoSan

Silver-ion sticks for tap water hygiene

- Active system based on bacteria inhibitory property of silver
- Completely food-safe
- Objectively, no change in taste detectable (laboratory tested)
- Effective for 6 months even with a daily change of water

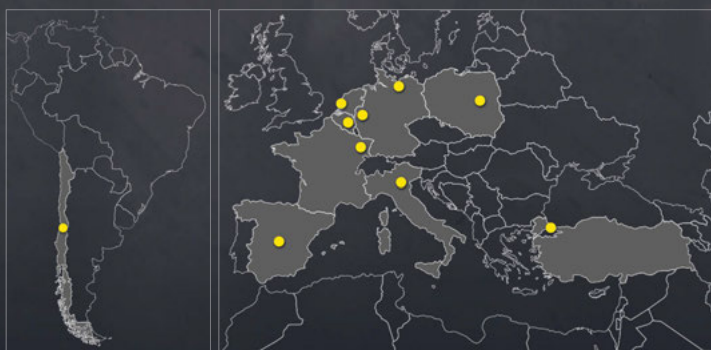
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