



BlueLine®

CAPBS®

Modular system



Management System
ISO 9001:2015
www.tuv.com
ID: 9105030470





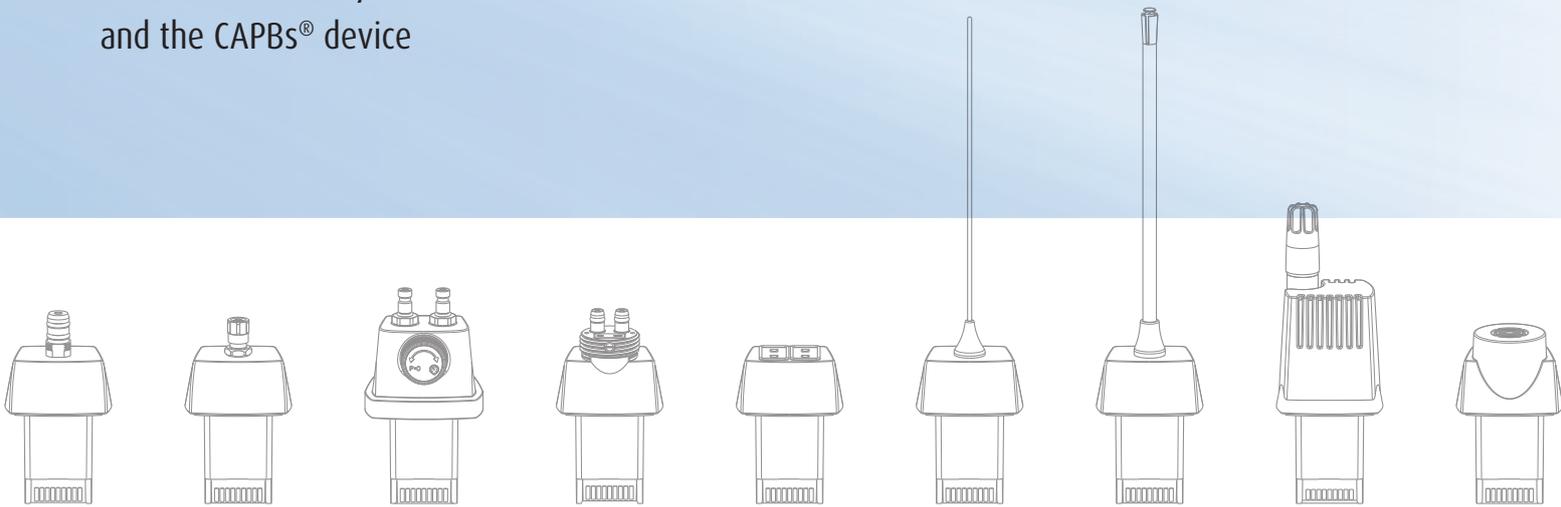
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Universal. Accurate. Flexible.

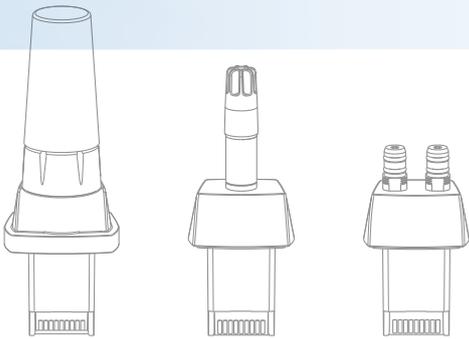
Practical modularity with the CAPBs® module and the CAPBs® device



The CAPBs® constitute a modular system consisting of the universal handles CAPBs® module or CAPBs® device and an application-specific sensor unit CAPBs® sens for a wide variety of measured variables such as pressure, temperature, air quality or water quality. According to the „plug & play“ principle, the sensor units are inserted into the handles, thus combining them into a complete ready-to-use measuring instrument. The measured values can be transferred via the free EuroSoft® live app on a tablet or smartphone. In this way, for example, all the tasks of a heating system engineer or a chimney sweeper can be performed with a single measuring instrument.

Both the CAPBs® module and the CAPBs® device are equipped with magnets and unlock buttons for exchanging the CAPBs® sens at the rear side. The snap-in mechanism on top respectively on bottom of the CAPBs® device is standardised for all CAPBs® sens. The multicolour LED indicates the status of the CAPBs® measuring units by means of different colours and flashing frequencies. Furthermore the handles contain a beeper which indicates excess concentrations or limit values by means of audible signals with different frequencies.





CAPBs® module

Base handle

Description

Universal base handle for all CAPBs® sensor units. Ergonomic handle with three magnets and battery compartment at the rear of the housing. Multicolour LED and multi-purpose key on the front. With Bluetooth® Smart to transfer the sensor values and integrated beeper for audible signals.

Technical specifications

Dimensions H x W x D	140 x 45 x 39 mm
Interface	Bluetooth® Smart
Power supply	2x AAA alkaline batteries or 2x AAA rechargeable batteries
Part no.	M091 00 00 17



CAPBs® device

Display handle

Description

Modular display unit for all CAPBs® sens. The sensors can either be installed on top or bottom side. The 2.4" screen shows directly the measured values of the installed CAPBs sensor. Via the CAPBs® device QR code generator the values could be transferred to the EuroSoft® live app to create professional measurement reports. The instrument is equipped with three navigation keys, magnets at the rear of the housing and a integrated beeper for audible signals.

Technical specifications

Dimensions H x W x D	155 x 62 x 42 mm
Display	2.4" TFT
Interface	QR code
Power supply	Rechargeable lithium-ion battery
Mains operation	USB mains unit
Part no.	M093 00 00 10



Accessories CAPBs® module & device			
	Article	module device	Part no.
	CAPBs® interface basic	•	M094 00 39 10
	Charging and data cable USB-A on USB-C, length: 1 m	•	524697
	Power supply unit USA/EURO/AU/UK, 5W	•	523493
	Charger inclusive 2x AAA rechargeable batteries	•	524215
	2x AAA rechargeable batteries NiMH 1.2 V/800 mAh	•	524216
	Box for CAPBs® device with inlay	•	524740
	i-Boxx with inlay	• •	500905



CAPBs® device basic set

P00052

Application

The CAPBs® device is a display unit for all CAPBs® sens. Various CAPBs® sens allows to measure pressure, differential pressure, flow, temperature, humidity, air quality, water quality, indoor air quality as well as detect gas leakage.

Scope of delivery

- CAPBs® device with cover cap
- CAPBs® interface basic
- Data cable
- USB mains unit
- Box

Compatibility

For all CAPBs® sens and CAPBs® interface

EuroSoft® live app

for iOS and Android



Description

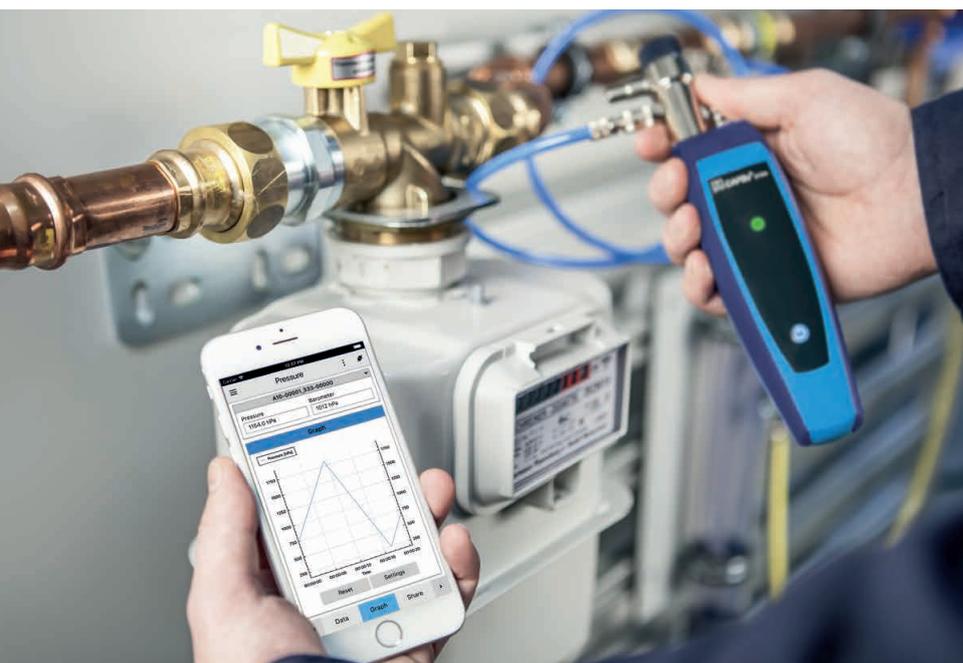
EuroSoft® live is the free app for communication between the CAPBs® systems and mobile devices (tablet or smartphone) via Bluetooth® Smart or QR code. Measurement results can be conveniently visualised, stored in measurement reports and transmitted via the standard communication capabilities, such as email, WhatsApp, cloud services. Ideal for professional, comprehensive documentation of results for customers.

Application CAPBs® device

- Transfer of measurement values

Application CAPBs® module

- "Remote control" of the sensor units
- Live indication of the measured values
- Logging of measurement data
- Visualization in diagrams



Download app

CAPBs® sens PS10

Pressure range 20 mbar



Description

Sensor unit for measurement of pressure, vacuum and differential pressure of non-corrosive, gaseous, dry media. Manual correction of the zero point allows to double the measuring range. The high quality sensors are extremely accurate, orientation independent and temperature-compensated.

Application

- Measurement of ultra-fine pressure
- Air flow measurement

Technical specifications

Dimensions H x W x D	74 x 42 x 35 mm		
Measuring range	-20 / +20 mbar	0.5 / 50 m/s	Pitot
Accuracy	±0.003 mbar or 0.5 % RDG ±1 digit	±3 m/s	
Resolution	0.001 mbar	0.1 m/s	
Hose connection	Ø 8 mm		
Part no.	M090 05 01 10		

CAPBs® sens PS20

Pressure range 180 mbar



Description

Sensor unit for measurement of pressure, vacuum and differential pressure of non-corrosive, gaseous, dry media. Manual correction of the zero point allows to double the measuring range. The high quality sensors are extremely accurate, orientation independent and temperature-compensated.

Application

- Check of connection and flow pressure in gas-fired heating systems
- Air flow measurement (* only with CAPBs® module)

Technical specifications

Dimensions H x W x D	74 x 42 x 35 mm		
Measuring range	-180 / +180 mbar	0.5 / 50 m/s*	Pitot
Accuracy	±0.003 mbar or 0.5 % RDG ±1 digit	± 0.8 m/s*	
Resolution	0.01 mbar (< 99.99) 0.1 mbar (> 100.0)	0.1 m/s*	
Hose connection	Ø 8 mm		
Part no.	M090 01 01 10		

CAPBs[®] sens PS22

Pressure range 180 mbar



Description

Sensor unit for measurement of pressure and vacuum of non-corrosive, gaseous, dry media. Manual correction of the zero point allows to double the measuring range. The high quality sensors are extremely accurate, orientation independent and temperature-compensated.

Application

- Check of connection and flow pressure in gas fired heating systems
- Tightness test of gas lines



Technical specifications

Dimensions H x W x D	89 x 42 x 35 mm
Measuring range	0 / +180 mbar
Accuracy	±0.03 mbar or 0.5 % RDG ±1 digit
Resolution	0.01 mbar (< 99.99) 0.1 mbar (> 100.0)
Hose connection	Pressure test valve
Part no.	M090 01 34 10



CAPBs® sens PS33

Pressure range 2 bar



Description

Sensor unit for measurement of pressure and vacuum of non-corrosive, gaseous, dry media. The high quality sensors are extremely accurate, orientation independent and temperature-compensated.

Application

- Leak tightness checks of gas pipes according to TRGI 2018
- Sensor features barometric pressure determination
- Tightness and load test of gas lines, water pipes or other systems
- Extremely accurate and DVGW-compliant measuring results

Technical specifications

Dimensions H x W x D	74 x 42 x 35 mm
Measuring range	-1 / +2 bar
Accuracy	±0.3 mbar or 0.5 % RDG ±1 digit
Resolution	0.1 mbar (< 999.99) 1 mbar (> 1,000)
Hose connection	Ø 8 mm
Part no.	M090 19 29 10

CAPBs® sens PS40 / 41 / 42

Pressure range 6 bar



Description

Sensor unit for measurement of pressure, vacuum of non-corrosive, gaseous, dry media. The high quality sensors are extremely accurate, orientation independent and temperature-compensated.

Application

- Tightness and load test of gas lines, water pipes or other systems

Technical specifications

Dimensions HxWxD	74 x 42 x 35 mm		
Measuring range	-1 / +6 bar		
Accuracy	±0.3 mbar or 0.5 % RDG ±1 digit		
Resolution	0.1 mbar (< 999.99) 1 mbar (> 1,000)		
Hose connection	Ø 8 mm	Ø 3 mm (Festo)	Pressure test valve
Part no.	M090 08 29 10	M090 08 30 10	M090 08 34 10



Application video

CAPBs® sens PS60 / 61 / 62

Pressure range 20 bar



Description

Sensor unit for measurement of pressure, vacuum of non-corrosive, gaseous, dry media. The high quality sensors are extremely accurate, orientation independent and temperature-compensated.

Application

- Tightness and load test of gas lines, water pipes or other systems

Technical specifications

Dimensions HxWxD	74 x 42 x 35 mm		
Measuring range	-1 / +20 bar		
Accuracy	±1 mbar or 0.5 % RDG ±1 digit		
Resolution	0.1 mbar (< 999.99) 1 mbar (> 1,000)		
Hose connection	Ø 8 mm	Ø 3 mm (Festo)	Pressure test valve
Part no.	M090 10 29 10	M090 10 30 10	M090 10 34 10

Accessories Pressure													Part no.
Article		PS10	PS20	PS22	PS33	PS35	PS40	PS41	PS42	PS60	PS61	PS62	
	Connection set for differential pressure measurement	•	•										500237
	High pressure hose set D3 to G1/8", 15 bar, length: 1 m							•			•		500234
	Pressure test valve	•	•		•					•			500670
	Pumpball with connection hose, length: 0.5 m			•		•	•		•			•	511018
	Syringe for test volume, 100 ml, scaling 2 ml					•	•						523174
	Connection hose with plug-in nipple DN2.7 and coupling DN5, length: 1 m			•		•	•		•			•	500685
	Pitot-pipe 360 mm and connectors 2x D7, tube length: 1.5 m	•	•										500238
	Pitot-pipe 460 mm and connectors 2x D7, tube length: 1.5 m	•	•										500238.1
	Conical test plug 1/2" - 3/4" with connector DN5												500678.1
	Conical test plug 3/4" - 1 1/4" with connector DN5												500678.2
	Cylindrical test plug 1/2" with connector DN5												500678.3
	Cylindrical test plug 3/4" with connector DN5												500678.4
	Cylindrical test plug 1" with connector DN5												500678.5
	Cylindrical test plug 1 1/4" with connector DN5												500678.6
	Test cap 3/8" with connector DN5	•	•	•	•	•	•	•	•	•	•	•	511171
	Test cap 1/2" with connector DN5												511172
	Test cap 3/4" with connector DN5												511173
	Test cap 1" with connector DN5												511174
	Stage stop plug 3/8" and 3/4" with connector DN5												500679.1
	Stage stop plug 1/2" and 1" with connector DN5												500679.2
	Stage stop plug 1 1/4" with connector DN5												500679.3



Low pressure set

P00025

Application

For device connection D8mm up to 1 bar test pressure. For measuring pressure and vacuum, inlet pressure, flow pressure, static pressure and nozzle pressure. Suitable for tightness and load test of gas lines, water pipes or other systems.

Scope of delivery

- Pumpball with connection hose
- Pressure test valve with quick-action coupling and high-precision adjustment valve for easy adjustment of the filling pressure
- 2x conical test plugs for pipe diameter 1/2" to 1 1/4" with plug-in nipple
- Connection hose with plug-in nipple DN2.7 and coupling DN5

Compatibility

CAPBs® sens PS20

CAPBs® sens PS40



High pressure set D8

P00026

Application

For device connection D8mm up to 18 bar test pressure. For measuring pressure and vacuum, inlet pressure, flow pressure, static pressure and nozzle pressure. Suitable for tightness and load test of gas lines, water pipes or other systems.

Scope of delivery

- Pressure test valve with quick-action coupling and high-precision adjustment valve
- 2x multiple connection plugs for connection thread 3/8" 3/4" and 1/2" 1" with plug-in nipple
- Filling hose (0.2 m) ADV for compressor connection
- Connection hose with plug-in nipple DN2.7 and coupling DN5

Compatibility

CAPBs® sens PS40

CAPBs® sens PS60

CAPBs® sens PT70

Pressure transmitter



Description

Pressure transmitter for measurements in liquids and gaseous media.

Application

- Pressure tests of oil pipes
- Tightness tests/strength tests of drinking water installations
- Tightness and load test of gas lines, water pipes or other systems
- Pressure test at pipe systems
- Stress pressure test at pipe systems

Technical specifications

Dimensions H x W x D	76 x 42 x 35 mm
Measuring range	0 / +25 bar
Accuracy	0.5 % of full scale ±1 digit
Resolution	0.1 bar
Hose connection	Plug connection DN5
Part no.	M090 14 28 10



CAPBs® sens PT85

Pressure transmitter



Description

Sensor unit for measurement of pressure, vacuum and differential pressure of liquids and gaseous media. High quality sensor with wide measurement range and high accuracy.

Application

- Tightness and load test, strength test of gas lines, water pipes or other systems
- Pressure tests of oil lines
- Stress pressure tests at pipe systems
- Hydraulic balancing at thermostatic valve

Technical specifications

Dimensions H x W x D	80 x 42 x 35 mm
Measuring range	7 bar
Accuracy	±10 hPa or 1 % RDG
Resolution	0.1 hPa (< 999.99) 1 hPa (> 1,000)
Hose connection	2x plug-in nipple DN2.7
Part no.	M090 22 35 10

CAPBs® sens PT86

Pressure transmitter



Description

Sensor unit for measurement of pressure, vacuum and differential pressure of liquids and gaseous media. High quality sensor with wide measurement range and high accuracy.

Application

- Tightness and load test, strength test of gas lines, water pipes or other systems
- Pressure tests of oil lines
- Stress pressure tests at pipe systems
- Adjustment of balancing valves

Technical specifications

Dimensions H x W x D	99 x 42 x 35 mm
Measuring range	20 bar
Accuracy	±25 hPa or 1 % RDG
Resolution	1 hPa
Hose connection	2x coupling DN2.7
Part no.	M090 27 35 10

Accessories Pressure transmitter					
	Article	PT70	PT85	PT86	Part no.
	Measuring needle		•	•	511182
	T-connector with 2x coupling, 1x plug-in nipple and shut-off valve				500695
	Adapter for compressor connection, with coupling DN5 and plug-in nipple DN7.2				500696
	Test plug 1/2" with connector DN5				500694
	Conical test plug 1/2" - 3/4" with connector DN5				500678.1
	Conical test plug 3/4" - 1 1/4" with connector DN5				500678.2
	Cylindrical test plug 1/2" with connector DN5				500678.3
	Cylindrical test plug 3/4" with connector DN5				500678.4
	Cylindrical test plug 1" with connector DN5				500678.5
	Cylindrical test plug 1 1/4" with connector DN5		•	•	500678.6
	Test cap 3/8" with connector DN5				511171
	Test cap 1/2" with connector DN5				511172
	Test cap 3/4" with connector DN5				511173
	Test cap 1" with connector DN5				511174
	Stage stop plug 3/8" and 3/4" with connector DN5				500679.1
	Stage stop plug 1/2" and 1" with connector DN5				500679.2
	Stage stop plug 1 1/4" with connector DN5				500679.3

Accessories Pressure transmitter

		Article	PT70	PT85	PT86	Part no.
		Connection hose with 2x coupling DN5, length: 1.2 m	•			500686.2
		Connection hose with plug-in nipple DN5 and coupling DN5, length: 0.3 m	•			500687
		Connection hose red with coupling DN2.7 and DN5, length: 1.5 m		•		511176
		Connection hose blue with coupling DN2.7 and DN5, length: 1.5 m		•		511177
		Connection hose with plug-in nipple DN5 and coupling DN2.7, length: 0.3 m		•		511156.1
		Connection hose with plug-in nipple DN2.7 and coupling DN5, length: 1 m			•	500685
		Connection hose with plug-in nipple DN5 and DN2.7, length: 0.3 m			•	511184.1
		Connection hose blue with plug-in nipple DN2.7 and coupling DN5, length: 1.5 m			•	500685.1
		Connection hose red with plug-in nipple DN2.7 and coupling DN5, length: 1.5 m			•	500685.2



Tightness test set PT70

P00040

Application

For measuring pressure and vacuum, inlet pressure, flow pressure, static pressure and nozzle pressure. Suitable for tightness, load test and strength tests of drinking water installations, pressure tests of oil lines and stress pressure tests at pipe systems.

Scope of delivery

- CAPBs® sens PT70
- T-connector
- Adapter for compressor connection
- Connection hose with coupling DN5 and plug-in nipple DN5
- Test cap 3/4" with connector DN5
- L-Boxx mini with foam



Tightness test set PT85

P00043

Application

For measuring pressure and vacuum, inlet pressure, flow pressure, static pressure and nozzle pressure. Suitable for tightness and strength tests of drinking water installations and gas pipes, pressure tests of oil lines and stress pressure tests at pipe systems.

Scope of delivery

- CAPBs® sens PT85
- T-connector
- Adapter for compressor connection
- Connection hose with plug-in nipple DN5 and coupling DN5
- Connection hose with plug-in nipple DN5 and coupling DN2.7
- Silicon connection hose
- Test cap 3/4" with connector DN5
- i-Boxx with inlay

CAPBs® sens FP10

Pressure & temperature



Description

Sensor unit for simultaneous, continuous measurement of temperature and pressure. The CAPBs® sens FP10 allows for convenient flow rate measurement with a stable zero point.

Application

- Air flow measurement (Pitot tube)
- 4Pa measurement (hose kit) (only with CAPBs® module)

Technical specifications

Dimensions HxWxD	74 x 42 x 35 mm			
Measuring range	-20 / +20 mbar	0.2 / 20 m/s	-50 / +600 °C	Temperature
Accuracy	±0.003 mbar or 0.5 % RDG ±1 digit	±0.1 m/s or ±5 % RDG	±1.5 °C	
Resolution	0.0001 mbar	0.01 m/s	0.1 °C	
Part no.	M090 05 32 10			

	Article	Part no.
	Pitot pipe 165 mm, D8 with cone	500663
	Hose kit 4Pa test, length: 4 m	500664
	Surface temperature sensor micro type K	522991

CAPBs® sens TK10

Temperature type K



Description

Temperature transmitter with standardised temperature socket type K. This allows for the connection of all type K two-pole thermocouples and temperature probes (for example, the complete temperature probe range).

Application

- Temperature measurement

Technical specifications

Dimensions H x W x D	58 x 42 x 35 mm
Measuring range	-50 / +1,150 °C (depends on thermocouple used)
Accuracy	±1.5 °C
Resolution	0.1 °C
Connection	Probe: 1x type K
Part no.	M090 00 08 10

CAPBs® sens TK11

Temperature type K



Description

Temperature transmitter with two standardised temperature sockets type K. This allows for the connection of all type K two-pole thermocouples and temperature probes (for example, the complete temperature probe range). In conjunction with BLUELYZER® ST, it is, for example, possible to measure up to four temperature values.

Application

- Temperature measurement
- Differential temperature measurement
- Determination of the temperatures of flow and return

Technical specifications

Dimensions H x W x D	58 x 42 x 35 mm
Measuring range	-50 / +1,150 °C (depends on thermocouple used)
Accuracy	±1.5 °C
Resolution	0.1 °C
Connection	Probe: 2x type K
Part no.	M090 00 09 10

Accessories TK10 & TK11

		TK10	TK11	Part no.
Article				
	Temperature surface probe to 450 °C, type K			523033
	Temperature penetration probe to 600 °C, type K			523034
	Temperature liquid/gas probe to 900 °C, type K			523035
	Clamp probe for pipes <D36 mm, max. 120 °C, type K			511098
	Air sensor 20 mm with magnet, type K, length: 2.5 m	•	•	500141
	Air sensor 20 mm with cone, type K, length: 2.5 m			500141.4
	Air sensor 80 mm with cone, type K, length: 2.5 m			500141.0
	Air sensor 80 mm with magnet and cone, type K, EN50379, length: 2.5 m			500141.1
	Air sensor 200 mm with cone, D5, type K			500147
	Air sensor, type K			521844

CAPBs® sens TK20

Temperature



Description

Penetration probe for measurement of the temperature in liquids and soft plastic media.

Application

- Temperature measurement

Technical specifications

Dimensions H x W x D	42 x 186 x 35 mm
Probe diameter	3 mm
Measuring range	-50 / +400 °C
Accuracy	±1.5 °C or 1 % RDG
Resolution	0.1 °C
Part no.	M090 00 22 10



CAPBs® sens TK30

Temperature



Description

Liquid probe for measurement of the temperature in liquids.

Application

- Temperature measurement

Technical specifications

Dimensions H x W x D	42 x 187 x 35 mm
Probe diameter	1.5 mm
Measuring range	-50 / +400 °C
Accuracy	±1.5 °C or 1 % RDG
Resolution	0.1 °C
Part no.	M090 00 23 10



CAPBs[®] sens TK35

Temperature



Description

Liquid probe for measurement of the temperature in liquids.

Application

- Temperature measurement

Technical specifications

Dimensions H x W x D	190 x 42 x 35 mm
Probe diameter	3 mm
Measuring range	-50 / +400 °C
Accuracy	±1.5 °C or 1 % RDG
Resolution	0.1 °C
Part no.	M090 00 24 10



CAPBs[®] sens TK40

Temperature



Description

Air probe for measurement of the temperature in air.

Application

- Temperature measurement

Technical specifications

Dimensions H x W x D	187 x 42 x 35 mm
Probe diameter	4.7 mm
Measuring range	-50 / +400 °C
Accuracy	±1.5 °C or 1 % RDG
Resolution	0.1 °C
Part no.	M090 00 25 10



CAPBs® sens TK50

Temperature



Description

Surface probe for measurement of the temperature on surfaces.

Application

- Temperature measurement

Technical specifications

Dimensions H x W x D	187 x 42 x 35 mm
Probe diameter	4 mm
Measuring range	-50 / +400 °C
Accuracy	±1.5 °C or 1 % RDG
Resolution	0.1 °C
Part no.	M090 00 26 10



CAPBs® sens RH80

Air temperature & humidity



Description

Sensor unit for measurement of temperature and relative humidity in ambient air. Calculation of absolute humidity and dew point temperature.

Application

- Checks of the climatic conditions in rooms
- Mould prevention
- Evaluation of the indoor air quality (IAQ)



Technical specifications

Dimensions H x W x D	82 x 42 x 35 mm		Temperature
Measuring range	0 / 100 % r.h.	-40 / +80 °C	
Accuracy	±2 % r.h.	±0.5 °C	
	±1 digit	±1 digit	
Resolution	0.1 % r.h.	0.1 °C	
Part no.	M090 11 12 10		

Accessories CAPBs® sens RH80

	Article	Part no.
	Humidity and temperature sensor GK2	511106

CAPBs® sens AQ20

Air quality



Description

Sensor unit for fast and reliable detection of VOCs (volatile organic compounds) and CO₂ in ambient air. The gas concentration is displayed by the evaluation unit as CO₂ (ppm) and TVOC (ppb); the CAPBs® measurement unit provides an audible signal.

Application

- Monitor of the air quality in rooms
- Inspection of filters
- Detection of leaks in conjunction with hazardous substances
- Redundant measurement in conjunction with PID measurements

Technical specifications

Dimensions H x W x D	58 x 42 x 35 mm	
Measuring range	450 / 2,000 ppm CO ₂ equivalent	125 / 600 ppb TVOC equivalent
Resolution	1 ppm	
Part no.	M090 12 00 10	

CAPBs® sens AQ35

Air quality



Description

Sensor unit for measurement of carbon dioxide. The highly accurate CO₂ infrared sensor has a very low drift; it can be adjusted in fresh air. Thanks to the possibility to conveniently enter the measuring time, it is possible to check and document given CO₂ mean values.

Application

- CO₂ concentration measurement
- Assessment of the ambient air quality in rooms
- For adjustment of ventilation and air conditioning systems as per EN 13779 or TRGS 900 (limit values for workplaces)
- Evaluation of the CO₂ in closed rooms (e.g. in schools, offices, conference rooms, libraries etc.)

Technical specifications

Dimensions H x W x D	83 x 42 x 35 mm	
Measuring range	0 / 10,000 ppm CO ₂	
Accuracy	±70 ppm or +3 % RDG	
Resolution	1 ppm	
Part no.	M090 23 00 10	

CAPBs® sens AQ36

Air quality



Description

Sensor unit for measurement of carbon dioxide, humidity and temperature. The highly accurate CO₂ infrared sensor has a very low drift; it can be adjusted in fresh air. Thanks to the possibility to conveniently enter the measuring time, it is possible to check and document given CO₂ mean values.

Application

- CO₂ concentration, humidity and temperature measurement
- Indoor air quality (IAQ) measurements
- Assessment of the ambient air quality in rooms
- For adjustment of ventilation and air conditioning systems as per EN 13779 or TRGS 900 (limit values for workplaces)
- Evaluation of the air quality in closed rooms (e.g. in schools, offices, conference rooms, libraries etc.)



Technical specifications

Dimensions H x W x D	115 x 42 x 35 mm		
Measuring range	0 / 10,000 ppm CO ₂	0 / 100 % r.h.	-40 / +125 °C
Accuracy	±70 ppm +3 % RDG	±3 % r.h. (at 25°C)	±2 °C
Resolution	1 ppm	0.1 % r.h.	0.1 °C
Part no.	M090 26 00 10		

Accessories CAPBs® sens AQ36

	Article	Part no.
	Humidity and temperature sensor GK3	511105

CAPBs® sens CO30

CO detection



Description

Sensor unit with electro-chemical sensor for fast and reliable detection of CO (carbon monoxide) in ambient air. The CO concentration is displayed by the evaluation unit as CO value in ppm; the CAPBs® measurement unit provides an audible signal when the alarm threshold is exceeded.

Application

- CO detection and concentration measurement
- Application in boiler rooms or at flue gas pipes, for example for self-protection during flue gas line tests

Technical specifications

Dimensions H x W x D	64 x 42 x 35 mm
Measuring range	0 / 2,000 ppm CO
Resolution	1 ppm
Part no.	M090 16 33 10

CAPBs® sens GS10

Gas sniffer



Description

Sensor unit for fast and reliable gas leak detection. The flexible probe allows for use in spaces difficult to access. The gas concentration is displayed by the evaluation unit in ppm; the CAPBs® measurement unit provides an audible signal. The alarm threshold can be adjusted as required. Due to the base calibration for methane, a wide range of flammable gases is detectable. The anti-poisoning protection function for the sensor ensures a long service life.

Application

- Gas leak detection
- Detection of gas leaks (flammable gases) in gas pipes as well as connection pieces and fittings, gas meters, gas burners and gas tanks

Technical specifications

Dimensions H x W x D	290 x 42 x 35 mm
Measuring range	0 / 2,000 ppm CH ₄
Resolution	10 ppm
Part no.	M090 13 14 10



Application video

CAPBs® sens WQ10

Water quality



Description

CAPBs® sens WQ10 simultaneously determines the pH value, the electrical conductivity ($\mu\text{S}/\text{cm}$) and hardness ($^{\circ}\text{dH}$) with a single measurement. In addition, the TDS value (total dissolved solids in the water), salinity and temperature can be measured. Thanks to automatic measuring range switching, the conductivity can be measured with a high measuring accuracy within a large measuring range.

Application

- Determination and evaluation of water quality
- Assessment of system water in heating systems (for example, heating system water analysis as per VDI 2035)
- Measurement of pH value, electrical conductivity, hardness, TDS value, salinity and temperature



Technical specifications

Dimensions H x W x D	130 x 43 x 36 mm
Part no.	M090 25 13 10

	Measuring range	Resolution	Accuracy
Electrical conductivity	0 / 50,000 $\mu\text{S}/\text{cm}$	1 $\mu\text{S}/\text{cm}$ 0.1 mS/cm	$\pm 2 \mu\text{S}/\text{cm}$ ($< 199 \mu\text{S}/\text{cm}$) $\pm 5 \mu\text{S}/\text{cm}$ ($200 > 499 \mu\text{S}/\text{cm}$) $\pm 20 \mu\text{S}/\text{cm}$ ($500 > 1999 \mu\text{S}/\text{cm}$) $\pm 0.2 \text{mS}/\text{cm}$ ($2.00 > 19.99 \text{mS}/\text{cm}$) $\pm 0.5 \text{mS}/\text{cm}$ ($20.00 > 50.00 \text{mS}/\text{cm}$)
Salinity	0 / 25,000 ppm	0.1 ppm 0.01 ppt	-
TDS value	0 / 50,000 mg/l	T1 mg/l	0.01 g/l
pH value	0 / 14 pH	0.01 pH	$\pm 0.01 \text{pH}$
Temperature	-5 / +60 $^{\circ}\text{C}$	0.1 $^{\circ}\text{C}$; 0.1 $^{\circ}\text{F}$	$\pm 0.5 \text{ }^{\circ}\text{C}$

Accessories CAPBs® sens WQ10

	Article	Part no.
	Case with calibration solutions and titrant	511094
	Hardness measuring cutlery, single pack	524683
	Storage solution, electrolyte potassium chloride 3 mol/l, 50 ml	524405
	Conductivity calibration solution 1,413 mS, 100 ml	524407
	Conductivity calibration solution 12,88 mS, 100 ml	524408
	Test solution pH4, 100 ml	524410
	Test solution pH7, 100 ml	524411
	Cleaning solution, 100 ml	524412



WQ10 set

P00032



Application

- Modular extension kit for easy assessment of corrosion damage in heating systems and installations
- Ready to use in combination with all BlueLine® measuring instruments, smartphones or tablets as evaluation devices
- Multi-sensor for pH value, electrical conductivity, German hardness, salinity and temperature

Description

Complete on-site kit for quick assessment concerning the necessity of corrosion protection measures or system cleaning in the practical system case M with sensor unit CAPBs® sens WQ10 and all associated calibration solutions and sample containers.

Scope of delivery

- Sensor unit CAPBs® sens WQ10
- Calibration solutions for pH value
- Calibration solutions for electrical conductivity
- Sample containers
- Cleaning solution
- Storage solution
- Hardness measuring cutlery
- Modular system case M



Application video

FlowTemp® STx

Volume flow & temperature



Description

Instrument for continuous, simultaneous determination of temperature (°C) and volume flow (l/min) and in water applications. The volume rate is measured with a high-precision capacitance flow sensor, the temperature with a PT1000 module. Both sensors are integrated in a robust housing made of high quality plastic with degree of protection IP 67. Thanks to the compact design, measurements at low water fittings are very convenient. Bluetooth® Smart to transfer the sensor values to the EuroSoft® live app.



EuroSoft® live app



Application

- Risk analysis in drinking water installations (EN 806)
- Function checks of decentralised drinking water heaters
- Documentation of water sampling for laboratories
- Determination of the water temperature at water taps (EN 806-2; DIN EN 1988-200)
- Acceptance tests of newly installed drinking water installations
- Verification and documentation of thermal disinfection against legionella (DVGW 557)

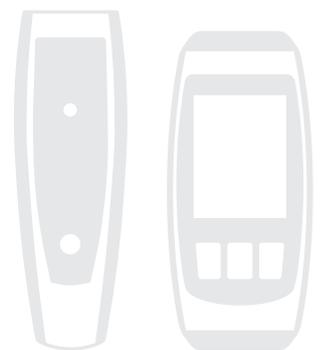
Technical specifications

Dimensions H x W x D	158 x 71 x 97 mm		
Measuring range	1.5 / 17.5 l/min	+5 / +80 °C	Temperature
Accuracy	±0.3 l/min or ±5 % RDG	±1 °C or ±3 % RDG	
Resolution	0.1 l/min	0.1 °C	
Response delay (t90)	< 10 s	< 5 s	
Sensor	Capacitive sensor	PT1000	
Sampling rate	1 sec		
Part no.	502002		



The SYSTRONIK GmbH is specialized in development and production of high-quality measuring instruments for flue gas analysis, testing and maintaining HVAC installations, climate and environmental technology. All SYSTRONIK products satisfy the highest standards for quality, reliability and safety.

Our facilities are certified to full operational requirements of the ISO 9001 quality standard. We are constantly striving to improve our quality assurance position with input from periodic audits by independent experts required for continued certification.





Distributor:

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