pH value/determination of conductivity WQ 10

Application

- Measurement of pH value, electrical conductivity, salinity and temperature
- Checking and assessing the drinking water quality
- Determination of German hardness and the TDS value (total dissolved solids in mg/l)
- Assessing the system water in heating systems
- Professional PDF measurement report with the following parameters: total hardness, conductivity and pH value as per new German VDI 2035

Versions

	Part no.
PH/conductivity sensor CAPBs® sens WQ 10	M090251310
Sensor head pH, CON, SAL, TDS, TEMP	524353

Blue part no. = in-stock items

Description

Simultaneous determination of the pH value, the electrical conductivity and the water hardness (German hardness) with a single measurement. Determination of the total hardness is not possible in the case of chemically treated water or water softened by means of ion exchange. In addition, the TDS value (total dissolved solids in the water), salinity and temperature can be output. Thanks to automatic temperature compensation and measuring range switching, the conductivity can be measured with a high measuring accuracy.

Technical specifications

Dimensions (W x H x D)
Sensor module: 43 x 130 x 36 mm

Weight
pH/conductivity sen- 56 g
sor CAPBs® sens:

Measuring range
Conductivity: 0/50,000 µS/cm
Salinity: 0/25,000 ppm
TDS: 0/50,000 mg/l
PH value: 0/14 pH
Temperature: -5/+60 °C

Accuracy
Conductivity: ± 2 µS/cm (0/199 µS/cm)
Conductivity: ± 5 µS/cm (200/499 µS/cm)
Conductivity: ± 20 µS/cm (500/1,999 µS/cm)
Conductivity: ± 0.2 mS/cm (2/19.99 mS/cm)
Conductivity: ± 0.5 mS/cm (20/50 mS/cm)
TDS: ± 10 mg/l
PH value: ± 0.01 pH
Temperature: ± 0.5 K

Resolution
Conductivity: 1 µS/cm
Salinity: 0.1 ppm
TDS: 1 mg/l
PH value: 0.01 pH
Temperature: 0.1 °C

Indication of measured values
Conductivity: µS/cm, mS/cm
Salinity: ppm, ppt
TDS: mg/l, g/l
Hardness: °d, °e, °f, °rH, ppm, mg/l, mmol/l, mol/m³
PH: pH
Temperature: °C, °F