



pH value/determination of conductivity WQ 10



Application

Measurement of:
 pH value
 Electrical conductivity
 Salinity
 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

Versions

	DG	PG	Part no.	Price (€)*
PH/conductivity sensor CAPBs® sens WQ 10	H	4	M090251310	449.65
Sensor head pH, CON, SAL, TDS, TEMP	H	4	524353	128.54

* prices plus applicable VAT [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 sensor CAPBs® sens: 56 g

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