Laboratory Meters and Portables

Conductivity Sensors

ZU 6985 Conductivity Sensor

4-electrode conductivity sensor

The sensor has a very large measuring range from 1 µS/cm to 1 S/cm and is equipped with a quick-reacting Pt1000 temperature detector.

It has a glass/platinum 4-electrode measuring system with an easy-to-re-place precision glass tube, is simple to clean, and does not require platiniza-tion.

Applications

Precise measurements in a broad conductivity range in the laboratory or during portable use – the resistant materials also permit use in media with serious chemical stress.
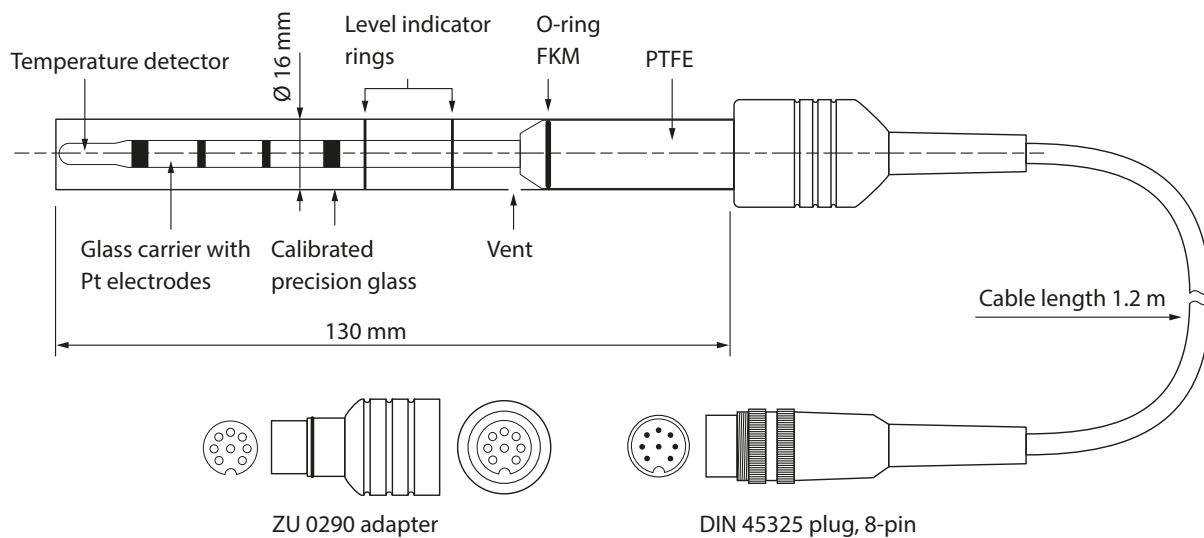
Facts and Features

– Easy to use

– No platinization required

– Large measuring range 1 µS/cm ... 1 S/cm

– Simultaneous temperature measurement

– High chemical resistance (materials: glass, platinum, PTFE, FKM)

– Virtually resistant to contamination

– Immediately ready for measurement thanks to individually measured cell constants

Specifications

Measuring range:	1 µS/cm ... 1 S/cm
Cell constant:	Approx. 1.15/cm, individually measured in saturated NaCl solution
Temperature:	–20 ... 100 °C
Temperature detector:	Pt1000
Electrodes:	Platinum, bright
Electrode carrier:	Glass, PTFE
Tube:	Calibrated precision glass tube (KPG), Ø 16 mm
Gasket:	FKM
Body length	130 mm
Immersion depth:	Min. 60 mm
	Max. 80 mm
Cable length:	1.2 m
Connection:	M12 plug, 8-pin

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Dimension Drawing

Product Range

Sensor		Length	Order No.
ZU 6985 conductivity sensor		130 mm	**ZU 6985**

Accessories		Length	Order No.
KPG tube (spare part)	Incl. O-ring (FKM)	130 mm	**ZU 0180**
Adapter	for using the sensor with Portavo and Portamess devices		**ZU 0290**

Calibration Solutions	Quantity	Order No.
1.3 µS/cm, KCl	300 ml	**ZU 0701**
15 µS/cm, KCl	500 ml	**CS-C15K/500**
147 µS/cm, KCl	500 ml	**CS-C147K/500**
1413 µS/cm	500 ml	**CS-C1413K/500**
12.88 mS/cm	500 ml	**CS-C12880K/500**