



## ZU 6985 Conductivity Sensor

### 4-electrode conductivity sensor

The sensor has a very large measuring range from 1  $\mu\text{S}/\text{cm}$  to 1  $\text{S}/\text{cm}$  and is equipped with a quick-reacting Pt1000 temperature detector.

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

### 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

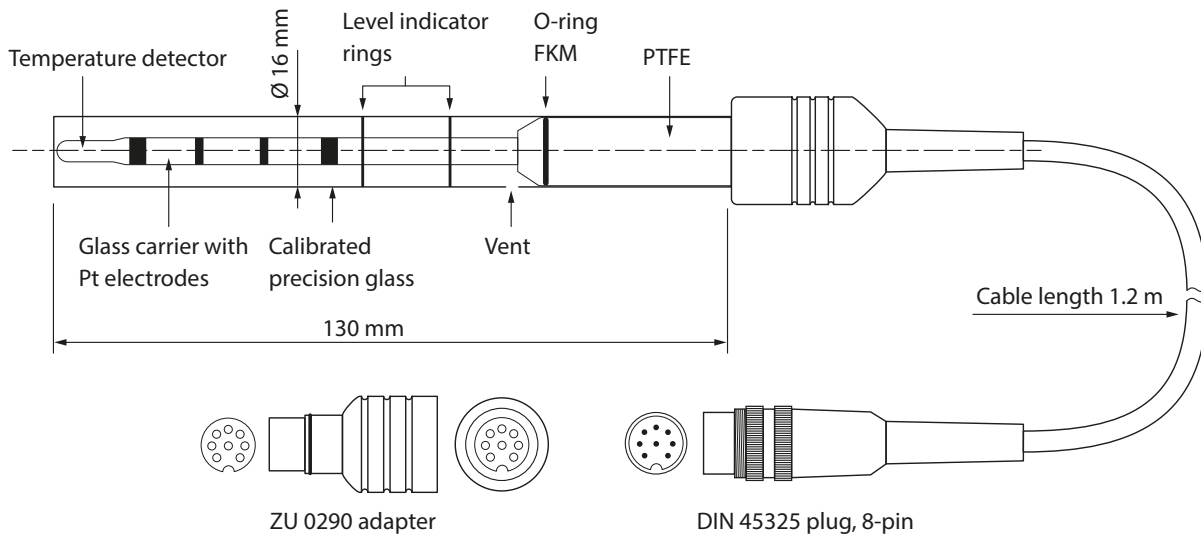
- Easy to use
- No platinization required
- Large measuring range  
1  $\mu\text{S}/\text{cm}$  ... 1  $\text{S}/\text{cm}$
- Simultaneous temperature measurement
- High chemical resistance (materials: glass, platinum, PTFE, FKM)
- Virtually resistant to contamination
- Immediately ready for measurement thanks to individually measured cell constants

### Specifications

Measuring range:	1 $\mu\text{S}/\text{cm}$ ... 1 $\text{S}/\text{cm}$
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

# ZU 6985 Conductivity Sensor

## 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