

# Conductivity Sensor 4029

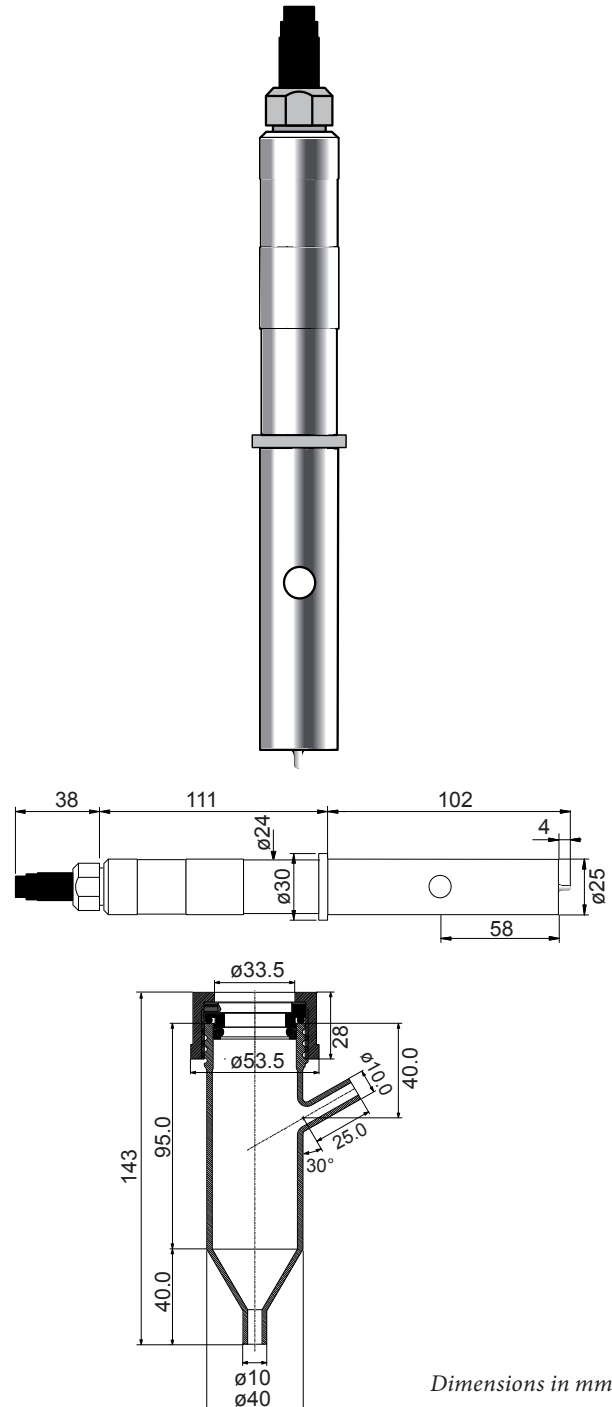
UPW Dip sensor for low conductivities

Used with portable TCU series 3000.

## Attention:

- Due to high CO<sub>2</sub> permeability, do not use silicone tubing for ultra low conductivity measurements.
- If a flow chamber is not used, measurements below 0.5 μS/cm will typically give errors of about 10 nS/cm due to CO<sub>2</sub> from the air.
- After measurements above 1 mS/cm, flush the sensor for 10 minutes before doing measurements below 1 μS/cm.

Technical data	
Materials	PTFE, EPDM, silicone rubber and steel W 1.4404 (AISI 316L)
Pressure	max. 2 bar at 210 °C
Cell constant	1.0 ± 0.5 % (electrically adjusted)
Accuracy	±1.5 %
Meas. range	2000...0.055 μS/cm
Linearity	± 1 % per decade
Temp. sensor	Pt 1000 (IEC 751 class A) Time delay T <sub>90</sub> , 9 sec.
Protection	IP65 splash-proof (DIN 40 050)
Sensor cable	PVC 12 x 0.25 mm <sup>2</sup> max. temp. 70 °C
Cable length	standard length 1 m
Connection	12-pole Binder
Weight	0.7 kg
74 flow chamber (not included)	
For use with dip type sensors; for measurements below 0.5 μS/cm	
Materials	PVDF and DURAN® Borosilicate glass 3.3
Pressure	max. 2 bar at 100 °C



Dimensions in mm