

Conductivity



The conductivity probe utilizes four electrodes; two made of graphite and two made of platinum. The possible applications of this sensor range from freshwater to surface water and all the way to municipal and industrial wastewater.

The intelligent sensor saves data such as calibration directly in the sensor. This enables „play-and-play“ usage without requiring recalibration.

Transfer of data is accomplished by means of a Modbus protocol.

ADVANTAGES AT A GLANCE

- Calibration data stored directly in sensor
- For highly diverse applications
- Data transfer via Modbus RS-485
- Measuring Range: 0 to 200 mS/cm
- 4 Electrodes: 2 graphite and 2 platinum

TECHNICAL DATA

GENERAL		CONDUCTIVITY MEASUREMENT	
Dimensions	Diameter: 27 mm Length: 157 mm	Measuring Principle	4 electrodes (2 x graphite, 2 x platinum)
Weight	350 g (sensor + 3 m cable)	Measuring Range	0 - 200.0 $\mu\text{S}/\text{cm}$ 0 - 2000 $\mu\text{S}/\text{cm}$ 0.00 - 20.00 mS/cm^* 0.0 - 200.0 mS/cm^*
Material	PVC, Delrin®, stainless steel	Resolution	0.01 to 1, depending on measuring range
Operating Temp.	0 to +50°C	Accuracy	$\pm 0,1 \%$
Storage Temp.	-10 to +60°C	Resposne Time	< 5 s
Communication	Modbus RS-485 (optional: SDI-12)	Temp. Compensation	NTC
Connector	Specialized cable with Fisher connector or open ends	*Optional	
Power Requirement	5 to 9 V		
Energy Consumption	Standby: 25 μA Average (1 measurement/s): 6.3 mA		
Maximum Pressure	5 bar		
Protection Class	IP 68		

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QUESTIONS?

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QUALITY MADE IN GERMANY

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