

DIGITAL CONDUCTIVITY PROBE



General features

The **S411DIG** probe is used for measuring conductive conductivity in pure and process waters.

- Reliable conductivity measurement using graphite electrodes
- Conductive measuring method with two electrodes and temperature compensation
- PVC sensor body and graphite electrodes
- No mechanically moving parts
- Immediate installation and easy maintenance
- MODBUS RTU serial communication protocol

Applications

Untreated water, drinking water, demineralization, reverse osmosis, ion exchanger, water from conditioning systems and boilers, artesian wells

Technical specifications

Measuring range	0.00 ÷ 20000uS
Measuring method	conductive with two electrodes
Sensitivity	0.1 uS
Precision	+/-1uS
Response time	90% of the value in less than 60 seconds
Refresh time	1 second
Temp. compensation	facing Stainless Steel sleeve
Operating temperature	-10 ÷ 45 °C
Maximum pressure	10 bar
Body material	PVC
Electrode	Graphite
	The probe is completely resinated inside
Mechanical protection	IP68 Sensor + cable
Power supply	12 ÷ 24Vdc
Power consumption	max. 2W
Cable	10m integral (other on request) – 10m disconnectable cable
Equipotential contact	for solution included
Signal interface	RS 485 Modbus RTU Protocol