

# DIGITAL CONDUCTIVITY PROBE



## General features

The **S411 DIG** 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...20/ 200/ 2000/ 20000 $\mu$ S
Measuring method	conductive with two electrodes
Resolution	0.01/ 0.1/ 1/ 10 (range 0...20/ 200/ 2000/ 20000) $\mu$ S
Accuracy	$\pm$ 2.5 % of full scale
Response time	90% of the value in less than 60 seconds
Refresh time	$T_{90} < 60s$
Temp. compensation	via internal NTC ( external NTC optional )
Operating temperature	0...50 °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