



# Digital conductivity sensor

## S411 DIG



### Applications



Drinking water



Electroplating



Irrigation

## General features

The S411 DIG is used for conductive conductivity measurement in pure and process water.

- Reliable conductivity measurement thanks to the use of graphite electrodes.
- Two-electrode conductive measurement method with temperature compensation.
- Sensor body in PVC graphite electrodes
- Absence of mechanical moving parts
- Immediate installation and easy maintenance
- Modbus RTU serial communication protocol

## Applications

Raw water, drinking water, demineralization, reverse osmosis, ion exchanger, water from air conditioning and boiler systems, process water, artesian wells.



## Technical specifications

Measurement range	0 ... 20/200/2000/20000 $\mu$ S
Measurement method	Two-electrode conductive
Sensitivity	0.01 / 0.1 / 1/10 (range 0 ... 20/200/2000/20000) $\mu$ S
Accuracy	$\pm$ 2.5% f.s.
Response time	90% of the value in less than 60 seconds
Refresh time	T90 <60s
Temp compensation	With internal NTC probe (external NTC probe on request)
Working temperature	0... 50°C
Max pressure	10 bar
<b>Body material</b>	PVC
Electrode	Graphite The probe is completely resin-coated inside
<b>Mechanical protection</b>	IP68 Sensor & cable
<b>Power supply</b>	12... 24Vdc
Absorption	Max. 2W
Cable	10 m integral (others on request) - 10 m disconnectable cable
Equipotential contact	For solution included
<b>Signal interface</b>	RS485 with standard Modbus RTU protocol