



Digital inductive conductivity sensor

S411 DIG IND



Application

- Drinking water
- Wastewater
- Cooling towers
- Clean In Place (CIP)

General features

The inductive conductivity probe S411 / IND / DIG can measure conductivity in dirty water conditions up to 1S, and can easily interface with data acquisition systems thanks to the Modbus RTU RS485 protocol.

- Presence of 4 possible scales with one or two-point calibration
- Sturdy body in loaded PPS
- Immediate installation

Applications

Conductivity measurement in conductive liquids, wastewater, primary waters.



Technical specifications

Measurement range	0,5 ... 2/2 ... 20/5 ... 200/10 ... 1.000 mS / cm
Accuracy	± 6% on the measuring point
Repeatability	± 3%
Response time	T90 <60s
Working temperature	-10 ... 60°C
Work pressure	From vacuum to 6.5 bar
Body material	Glass-filled PP, PPS, Viton (O-ring)
Mechanical protection	IP68 (Sensor & cable) / IP67 Connector
Power Supply	12 - 24 Vdc
Cable	10 mt
Signal interface	RS485 Modbus RTU protocol
Thread	1"1/2 GAS BSP
Measurement method	Inductive without contact electrodes
Temperature compensation	Automatic with built-in PT1000
Salinity	0-120g / kg (programmable conversion factor default 0,64)
Calibration	After connecting the probe to the instrument with the supplied cable, refer to the instrument manual for calibrations.