



SENSORS &  
CONTROLLERS



ANALYZERS  
& SAMPLERS



LEVEL, FLOW  
& PRESSURE



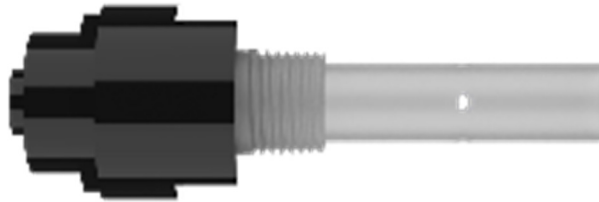
WEB APP &  
DATA LOGGING



ACCESSORIES

# S411 U DATASHEET

## THERMO COMPENSATED CONDUCTIVITY CELL



### MAIN FEATURES

Wide range of conductive cells designed for both water treatment and industrial applications.

Thanks to the combination of cell constant (k) and construction material, it is possible to cover a wide range of applications with different measuring ranges.

Suitable for direct installation in pressurized pipelines and tanks, these cells can withstand temperatures up to 120°C with pressures up to 2 bar and up to 6 bar at room temperature

### APPLICATIONS

- Raw water
- Drinking water
- Ultra pure water
- Demineralization
- Reverse osmosis
- Ion exchanger
- Water from air conditioning and boiler systems
- Process water

## TECHNICAL DATA

Materials	• PSU Body • Graphite Electrodes • O-Ring BNC • Temperature sensor embedded in an INOX case, in direct contact with the liquid • Waterproof connector
Thread	1/2" GAS or 1" GAS
Cell's constants	K = 0.1 cm, K = 1 cm, K = 10 cm
Cable length	5m (10m or 15m available on request)
Max working temperature	120°C
Operating pressure	6 Bar at 20°C / 2 Bar at 120°C
Measuring range	(K = 10 cm) 0÷200 $\mu$ S - (K = 1 cm) 0÷50000 $\mu$ S - (K = 0.1 cm) 10÷200 mS