

# INDUCTIVE CONDUCTIVITY MEASURING CELLS

## General features

The conductivity measuring system using inductive sensors has many advantages over other conventional methods. The absence of electrodes in contact with the fluid to be measured makes the system recalibration and maintenance virtually useless over long periods of time. The **S411IND** sensors have a great tolerance with respect to the coating phenomena, probably the most common problem encountered when measuring with conventional electrodes.



## Technical specifications S411IND

<b>Sensore</b>	
Operating temperature	- 5 to 60°C (not freezing)
Measuring range	1000 uS ... 1000 mS
Temp. compensation	Temperature sensor Pt1000 with 2 wires
Cable	Standard 5 meters
Operating pressure	Vacuum to 6.5 bar (100 psi)
<b>Mechanical construction</b>	
Material	PVC with Viton® seals
Contact materials	Glass-reinforced polypropylene
Immersion length	600 or 1200 mm
Mounting	Standard bracket or optional flange
Connection	0.5" BSP male
Protection grade	IP68

## S411IND

The inductive sensor has been engineered to produce a low cost sensor, without sacrificing performance or quality. The result has been obtained by moulding the sensor using polypropylene reinforced with fibreglass. The sensor provides all of the benefits that the method of inductive conductivity measurement provides.

## Applications

Polluted surface waters, process monitoring, means very contaminated or aggressive, influential water of treatment plants and wastewater.

## Models

**S411IND**  
sensor only

**S411IND T**  
for immersion

**S411IND E**  
for insertion with T-fitting

**S411IND INS**  
for direct insertion on flat wall

## Digitizer for inductive measuring cells

The AD Series Chemitec digitizers convert the conductivity measurement into serial signal with standard Modbus RTU protocol