

SE WATER AND AIR PRIVATE LIMITED

CONDUCTIVITY / SALINITY

DIGITAL TECHNOLOGY
FOR OPTIMIZED MEASURES

DATASHEET



Water & Air



APPLICATIONS

- ◆ Urban waste water treatment
- ◆ Industrial effluent treatment
- ◆ Surface Water monitoring
- ◆ Sea Water
- ◆ Drinking Water

MOUNTING AT 4 ELECTRODES

The electrode works with a technology in 4 electrodes: an alternating current of constant-voltage is established between a primary's pair of electrodes in graphite. The secondary's electrodes in platinum allow of regulate the voltage imposed to primary's electrodes to reflect of the fouling. The voltage measured between the primary's electrodes is in function of the resistance of place and so, of the conductivity.

DIGITAL TECHNOLOGY

The 'Smart' Digital SE sensor Stores calibration and history data within the sensor. This allows you a "plug and play" system without re-calibration.

TECHNICAL CHARACTERISTICS

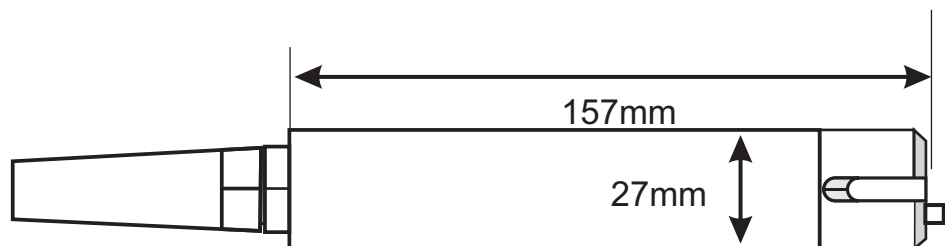
Measures

Measure principle	Conductivity sensor with 4 electrodes (2 graphic, 2 platinum)
Measure ranges conductivity	0-200.0 uS/cm 0-2000 uS/cm 0.00 - 20.00 mS/cm 0.0 - 200.0 mS/cm
Resolution	0,01 to 1 according the range
Accuracy	±1 % of the full range
Measure range salinity	5-60 g/kg
Measure range TDS-KCl	0-133 000 ppm
Response time	< 5s
Working temperature	0°C to + 50°C
Temperature compensation	NTC
Stocking temperature	-10°C to + 60°C

Sensor

Dimensions	Diameter : 27 mm ; Lenght : 157 mm
Weight	350g (sensor +cable 3meters)
Material	PVC, DELRIN, stainless steel
Maximum pressure	5 bars
Connection	9 armoured connectors, polyurethanen jacket, bare - wires or waterproof Fisher connector
Protecion	IP68

DIMENSIONS (in mm)



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