

SE WATER AND AIR PRIVATE LIMITED



Water & Air

PH, OPR & TEMPERATURE

DIGITAL TECHNOLOGY
FOR OPTIMIZED MEASURES

DATASHEET



The SE sensor has been designed to perform under hard conditions from pure mountains water with conductivity as low as 20 $\mu\text{S}/\text{cm}$, lakes and rivers (100-2000 $\mu\text{S}/\text{cm}$), seawater with conductivities of 50 mS/cm and to wastewater with conductivity higher than 200 mS/cm

This sensor features a “long life” reference, The Plastogel[®] SE technology increase the lifetime of the probe the need to refill

This sensor has been designed also for handheld and in situ applications which have been the most difficult situations for a pH/ORP sensor in term of sensor resistance, quick time response, minimal flow dependence and low power consumption.

DIGITAL TECHNOLOGY

The “smart” pH/ORP/Temp sensor stores calibration and history data within the sensor, This allows you a plug and play system without re-calibration.

TECHNICAL FEATURES

pH

Measure principle	Combined electrode (pH/ref): special glass, Ag/AgCl ref. Gelled electrolyte (KCl)
Range	0 - 14 pH
Resolution	0.01 pH
Accuracy	± 0.1pH

ORP

Measure principle	Combined electrode (ORP/reference) : Platinum tip, Ag/AgCl Ag/AgCl. Gelled reference (KCl)
Range	- 1000 to + 1000 mV
Resolution	0.1 mV
Accuracy	± 2 mV

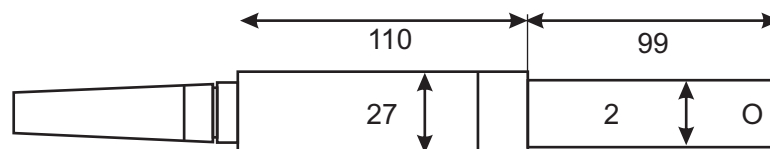
Temperature

Technology	NTC
Range	0.00°C a + 50.00°C
Resolution	0.01 °C
Accuracy	± 0.5 °C
Response time	< 5 s
Storage temperature	0°C to + 60°C
Protection	IP 68

Sensor

Dimensions	Diameter : 27 / 21 mm ; Lenght : 209 mm
Weight	350 g(sensor +3 m cable)
Material	PVC, DELRIN, special pH glass, platinum, polyamide
Pressure	5 bars
Cable	Coaxial armoured, Polyurethane, bare wire or Fisher connectrol
Protecion	IP68

DIMENSIONS (in mm)



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