Hach Online Process ORP Sensor - General Purpose Analogue ORP Sensor

Product #:	**RD1P5.99**
ZAR Price:	Contact Hach

The smart choice for accurate and reliable online process ORP measurement

General purpose online process ORP sensor - Platinum ORP electrode, PEEK housing, convertible mount, 4.5 m cable, analogue cable connection

Exceptional Performance with the Differential Electrode Measurement Technique
This field-proven technique uses three electrodes instead of the two normally used in conventional ORP sensors. Process and reference electrodes measure the ORP differentially with respect to a third ground electrode. The end result is unsurpassed measurement accuracy, reduced reference junction potential, and elimination of sensor ground loops. These sensors provide greater reliability, resulting in less downtime and maintenance.

Lower Maintenance Needs with the Double Junction Salt Bridge
The double junction salt bridge creates a barrier to contamination which minimizes the dilution of the internal standard cell solution. The result is lower maintenance needs and a longer time period between calibrations.

Extended Working Life with the Replaceable Salt Bridge/Protector
The unique, replaceable salt bridge holds an extraordinary volume of buffer to extend the working life of the sensor by protecting the reference electrode from harsh process conditions. The salt bridge simply threads onto the end of the sensor if replacement is needed.

Reliability with Built-in Encapsulated Preamp
Encapsulated construction protects the sensor's built-in preamp from moisture and humidity, ensuring reliable sensor operation. The preamp in the pHD analog sensor produces a strong signal, enabling the sensor to be located up to 1000 m (3280 ft.) from the analyzer.

Innovative Technology
The former GLI, now a Hach Company brand, invented the Differential Electrode Technique for pH measurement in 1970. The pHD sensor series takes this field-proven technology to a new level.

Specifications

Accuracy:	± 5 mV
Accuracy 2:	± 0.5 °C
Body material:	PEEK
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Cable Connection:	Analog
Cable Length:	4.5 m (15 ft)
Calibration Method:	one point manual
Diameter:	34.9 mm
Drift:	2 mV per 24 hours, non-cumulative
Electrode Material:	Platinum
Electrode Type:	General Purpose
Flow:	max. 3 m/s

Length:	196.3 mm
Material:	Ground Electrode: Titanium
Measuring range:	-1500 - 1500 mV
Mounting:	Convertible
Operating temperature range:	-5 - 95 °C
Pressure Range:	max. 6.9 bar at 95 °C
Repeatability:	± 2 mV
Sensor Thread:	1" NPT at both ends
Sensor Type :	Analog
Temperature Sensor :	NTC 300 Ω thermistor for temperature readout, not for temperature compensation
Warranty:	12 months
Weight:	0.9534 kg