pHD sc Digital differential ORP sensor, convertible, 1", PEEK

Produktnr: **DRD1P5.99**

SEK Pris: Kontakta oss
Tillgänglig

pHD sc: digital differential electrode for redox

As immersion, flow-through or built-in probe, with integrated AD electronics, with 10m cable. The sensor runs with SC 200 and SC 1000 controller.

Longer service life
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.

2 year phased warranty*
The double junction salt bridge creates a barrier to contamination which minimises the dilution of the internal standard cell solution. The result is lower maintenance needs and a longer time period between calibrations.

Plug and play with SC controllers
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 analogue sensor produces a strong signal, enabling the sensor to be located up to 1000 m (3280 ft.) from the analyser.

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.

Specifikationer

Arbetstemperatur :	–5 to 70 °C (23 to 158 °F) pHD and ORP
	Before initial pH calibration, calibrate the temperature measurement when the sensor is in water or buffer which is at approximately the same temperature as the pH buffers.
Body Material:	PEEK
Compliance:	Hazardous Location, Maritime, CE
Diameter:	35.4 mm
Drift:	2 mV per 24 hours, non-cumulative
Elektrodmaterial:	Platinum
Elektrodtyp:	General Purpose

Flöde:	max. 3 m/s
Garanti :	24 månader
Givargänga:	1" NPT at both ends
Givartyp:	Digital
Kabelanslutning :	Digital
Kabellängd:	10 m
Kalibreringsmetod :	one point manual
Kommunikation:	MODBUS
Längd:	271.3 mm
Material:	PEEK
Mätområde:	-1500 to +1500 mV ORP
Monteringsform:	Convertible
Noggrannhet:	± 0,5 °C
Repeterbarhet:	± 2 mV
Temperaturgivare:	NTC 300 Ω thermistor for temperature readout, not for temperature compensation
Temperaturnoggrannhet:	± 0.5 °C (± 0.9 °F)
Tryckområde:	max. 10.7 bar Sensor only (pressure range of mounting hardware to be checked separately)
Vikt :	0,316 kg