



pHD sc Digital pH sensor, insertion style 1", PEEK, 10m cable

Produktnr:	DPD2P1.99
SEK Pris:	Kontakta oss
Tillgänglig	

pHD sc: digital differential electrode for pH

Due to the closed design, the reference system of this pH electrode does not come into contact with the fluid. The much less soil sensitive salt bridge reduces the necessary cleaning.

It is less cleaning in comparison with systems fitted with membranes. The dilution of the electrolyte is prevented and the sensor gets long service life. The sensor runs with SC 200 and SC 1000 controller.

pH measurement performance certified according to MCERTs regulation.

Longer service life

This field-proven technique uses three electrodes instead of the two normally used in conventional pH sensors. Process and reference electrodes measure the pH 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 minimizes 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 takes this field-proven technology to a new level.

Specifikationer

Arbetstemperatur :	-5 - 70 °C (23 - 158 °F) pHD and ORP
	0 - 50 °C (32 - 122 °F) SS pHD

	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 (matches current recommendation)
Compliance:	Hazardous location, Maritime, CE
Drift:	0.03 pH per 24 hours, non-cumulative
Elektrodtype:	General Purpose
Flödeshastighet:	3 m (10 ft.) per second, maximum
Fuktade material:	PEEK or PPS, salt bridge of matching material with PVDF junction, glass process electrode, titanium ground electrode, and FKM/FPM O-ring seals (pH sensor with optional HF-resistant glass process electrode has 316 stainless steel ground electrode, and perfluoroelastomer wetted O-rings; consult factory for other available wetted O-ring materials)
Garanti :	24 månader
Givargänga:	NPT at both ends
Kabelanslutning :	Digital
Kabellängd:	10 m PUR (polyurethane) 4-conductor with one shield, rated to 105°C
Kalibreringsmetod :	Two point automatic, one point automatic, two point manual, one point manual.
Känslighet:	± 0,01 pH
Kommunikation:	Modbus
Lagringsförhållanden:	4 - 70 °C, 0 - 95% relative humidity (non-condensing)
Längd:	271.3 mm
Material:	Titanium
Mätområde:	-2.0 to 14.0 pH
Monteringsform:	Insertion
Noggrannhet:	± 0.02 pH
Överföringsavstånd:	1000 m (3280 fot), maximalt vid användning med kopplingsdosa.
Repeterbarhet:	± 0.05 pH
Sensor cable:	10 m (33 ft.) polyurethane, 4-conductor cable with one shield, rated to 105°C (221°F)
Temperaturgivare:	NTC 300 Ω thermistor for automatic temperature compensation and analyser temperature readout
Temperaturkompensation:	Automatisk med en 300W NTC-termistor, eller manuellt inställd fast tempertur.
Temperaturnoggrannhet:	± 0,5 °C
Tryckområde:	Maximum 10.7 bar . 6.9 bar for Digital Sensor at 70°C, and 6.9 bar for Analog Sensor at 105°C.
Vikt :	0,316 kg

Obligatoriska tillbehör

- SC1000 probmodul för 4 givare, 4x 4 - 20 mA UT, relä, 110 - 240 VAC, EU-kabel (Item LXV400.99.2R121)
- SC1000 displaymodul (Item LXV402.99.00001)