



pHD-S sc Digital Differential pH sensor, stainless steel, 10m cable

Produktnr:

LXV427.99.10001

SEK Pris:
Tillgänglig

Kontakta oss

New type of design for longer service life

As immersion probe with integrated AD electronics. The sensor runs with SC 200 and SC 1000 controller. 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.

Patented Technology

The former GLI, now a Hach Company brand, invented the Differential Electrode Technique for pH measurement in 1970. The pHD™ sensor series (U.S. Patent Number 6395158B1, dated May 28, 2002) 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

Elektrodtyp: General Purpose

Flödeshastighet:	3 m per second, maximum
Fuktade material:	Stainless steel, PPS, glass, titanium, FKM/FPM o-ring
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:	Stainless steel
Mätområde:	-2.0 to 14.0 pH
Modell:	pHD-S sc pH
Monteringsform:	Immersion
Neddopplingsdjup:	Submersible to 107 m/1050 kPa
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 analyzer temperature readout
Temperaturkompensation:	Automatisk med en 300W NTC-termistor, eller manuellt inställd fast tempertur.
Temperaturnoggrannhet:	± 0,5 °C
Tryckområde:	Max. 2 bar overpressure
Vikt :	0,870 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)