



pHD sc Digitalni pH-senzor, spremenljiv, enopalčni, PPS, 10-m kabel

Številka izdelka:

DPD1R1.99

EUR Cena:

Kontakt

Na voljo

pHD sc: digitalna diferencialna elektroda za pH

Zaradi zaprte zasnove referenčni sistem te pH-elektrode ne pride v stik s tekočino. Solni mostiček z veliko manjšo občutljivostjo na umazanijo zahteva manj čiščenja.

Zahteva manj čiščenja v primerjavi z membranskimi sistemi. Ne prihaja do redčenja elektrolita, zato je zagotovljena dolga življenjska doba senzorja. Senzor deluje s kontrolnima enotama SC200 in SC1000.

Daljša življenjska doba

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.

Dveletna fazna garancija

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.

Tehnologija "Plug and Play" s kontrolnimi enotami SC

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.

Zanesljivo delovanje z vgrajenim inkapsuliranim predojačevalnikom

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.

Patentirana tehnologija

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.

Specifikacije

Compliance:

Hazardous location, Maritime, CE

Delovna temperatura:

-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)

Dolžina:

271.3 mm

Dolžina kabla:

10 m PUR (poliuretan),

	štirižilni z eno zaščito in nazivno temperaturo 105 °C
Garancija:	24 mesecev
Komunikacija:	Modbus
Material:	Ozemljitvena elektroda: titan
Material ohišja:	PPS
Materiali v stiku z vodo:	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)
Merilno območje:	-2.0 to 14.0 pH
Način montaže:	Convertible
Natančnost:	± 0,02 pH
Navoj senzorja:	NPT na obeh koncih
Občutljivost:	± 0,01 pH
Območje tlaka:	Najv. 10,7 bar samo za senzor (tlačno območje namestitvene opreme je treba preveriti ločeno)
Oddaljenost prenosa:	100 m (328 ft.), maximum
Pogoji skladiščenja:	4 - 70 °C, 0 - 95% relative humidity (non-condensing)
Ponovljivost:	± 0.05 pH
Povezava s kablom:	Digital
Pretok:	najv.
Sensor cable:	10 m (33 ft.) polyurethane, 4-conductor cable with one shield, rated to 105°C (221°F)
Stopnja pretoka:	3 m (10 ft.) per second, maximum
Temperaturna kompenzacija:	Samodejna s 300-omskim termistorjem NTC ali ročno nastavljena na temperaturo, ki jo vnese uporabnik
Temperaturna natančnost:	± 0.5 °C (± 0.9 °F)
Temperaturni senzor:	300-omski termistor NTC za samodejno temperaturno izravnavo in branje temperature analizatorja
Tendenca:	0.03 pH na 24 ur, nekumulativno
Teža:	0,316 kg
Umertivena metoda:	Dvotočkovno samodejno, enotočkovno samodejno, dvotočkovno ročno, enotočkovno ročno.
Vrsta elektrode:	General Purpose

Obvezni pripomočki

- Sondni modul SC1000 za 4 senzorje, 4 izhodi 4 - 20 mA, rele, 110 - 240 V AC, kabel za EU (Item LXV400.99.2R121)
- Zasloni modul SC1000 (Item LXV402.99.00001)