



Hach pHD sc Online Process pH Sensor - pH Sensor for Clean Water

Αρ. προϊόντος:

DPD1R1

EUR Τιμή:

Επικοινωνήστε μαζί μας

Αποστολή εντός 2 εβδομάδων

The smart choice for accurate, reliable, and dependable pH/ORP measurement.

Differential pH sensor can be used as a flow-through or built-in immersion probe. Integrated digital electronics and patented measurement technology using 3 electrodes.

By the field-proven technique, process and reference electrodes measure the pH differentially with respect to a third ground electrode for excellent measurement accuracy and reduced junction potential.

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 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 digital controllers.

Exceptional Performance with the Differential Electrode Measurement Technique

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.

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 pH^D™ sensor series (U.S. Patent Number 6395158B1, dated May 28, 2002) takes this field-proven technology to a new level.

Προδιαγραφές

Compliance:	Hazardous location, Maritime, CE
Sensor cable:	10 m (33 ft.) polyurethane, 4-conductor cable with one shield, rated to 105°C (221°F)
Temperature compensation:	Automatic with NTC 300 Ω thermistor, or manually fixed at a user-entered temperature, additional selectable temperature correction factors (ammonia, morpholine, or user-defined pH/°C linear slope) available for pure water automatic compensation 0.0 - 50 °C
Αισθητήριο θερμοκρασίας :	NTC 300 Ω thermistor for automatic temperature compensation and analyzer temperature readout

Ακρίβεια :	± 0,02 pH
Ακρίβεια θερμοκρασίας :	± 0.5 °C (± 0.9 °F)
Απόσταση μετάδοσης :	1000 m (3280 ft.) μέγιστο με την χρήση τερματικού κιβωτίου
Βάρος :	0,316 kg
Βρεχόμενα υλικά :	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)
Εγγύηση :	24 μήνες
Επαναληψιμότητα :	± 0.05 pH
Επικοινωνία :	Modbus
Ευαισθησία :	± 0,01 pH
Εύρος μέτρησης :	-2,0 - 14,0 pH
Εύρος πίεσης :	Maximum 10.7 bar . 6.9 bar for Digital Sensor at 70°C, and 6.9 bar for Analog Sensor at 105°C.
Θερμοκρασία λειτουργίας :	-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)
Μέθοδος βαθμονόμησης :	Two point automatic, one point automatic, two point manual, one point manual.
Μήκος :	271.3 mm
Μήκος καλωδίου :	10 m PUR (polyurethane) 4-conductor with one shield, rated to 105°C
Ολίσθηση:	0.03 pH per 24 hours, non-cumulative
Ρυθμός παροχής :	3 m (10 ft.) per second, maximum
Σπείρωμα αισθητηρίου:	1 " NPT στα δυο άκρα
Σύνδεση καλωδίου :	Digital
Συνθήκες Αποθήκευσης:	4 - 70 °C, 0 - 95% relative humidity (non-condensing)
Σώμα υλικού:	PPS
Τι περιέχει το καλάθι:	Includes: sensor with 33 ft cable and manual
Τρόπος στήριξης :	Convertible
Τύπος ηλεκτροδίου :	General Purpose
Υλικό :	Ground Electrode: Titanium

Τι περιέχει το καλάθι

Includes: sensor with 33 ft cable and manual

Απαιτούμενα παρελκόμενα

- Ελεγκτής SC4500, Prognosys, 5 έξοδοι mA, 2 ψηφιακοί αισθητήρες, 100 - 240 VAC, χωρίς καλώδιο τροφοδοσίας (Item LXV525.99A11551)
- Ελεγκτής SC4500, με δυνατότητα Claros, 5 έξοδοι mA, 2 ψηφιακοί αισθητήρες, 100 - 240 VAC, χωρίς καλώδιο τροφοδοσίας (Item LXV525.99AA1551)
- Ελεγκτής SC4500, με δυνατότητα Claros, 5 έξοδοι mA, 2 ψηφιακοί αισθητήρες, 100 - 240 VAC, φirs ευρωπαϊκού τύπου (Item LXV525.99CA1551)
- Ελεγκτής SC4500, Prognosys, 5x Έξοδοι mA, 1 ψηφιακός αισθητήρας, 100 - 240 VAC, χωρίς καλώδιο τροφοδοσίας (Item LXV525.99A11501)

- Ελεγκτής SC4500, Prognosys, 5x Έξοδοι mA, 2 ψηφιακοί αισθητήρες, 24 VDC, χωρίς φως (Item LXV525.99Z11551)