



Hach pH sc Online Process pH Sensor - General Purpose pH Sensor

Продукт №:

DPD1P1.99

BGN Цена:

Свържете се с нас

Налично

pHD sc: цифров диференциален електрод за pH

General Purpose Online Process pH Sensor with Integrated Digital Electronics for "Plug and Play" with Hach Digital SC Controllers - pH Technology, Glass pH Electrode, PEEK Housing, Convertible Mount, 10 m Cable

This instrument connects to Claros, Hach's innovative Water Intelligence System, enabling you to seamlessly connect and manage instruments, data, and process – anywhere, anytime. The result is greater confidence in your data and improved efficiency in your operations. To unlock the full potential of Claros, insist on Claros Enabled instruments.

По-дълъг срок на експлоатация

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 process pH sensors provide greater reliability, resulting in less downtime and maintenance.

2 годишна гаранция за поддържане на наличност на всички резервни части*

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.

Автоматично разпознаване с контролери 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.

Надеждност с вграден капсулован предусилвател

Encapsulated construction protects the sensor's built-in preamp from moisture and humidity, ensuring reliable sensor operation. The preamp in the pH sc analogue sensor produces a strong signal, enabling the sensor to be located up to 1000 m (3280 ft.) from the analyser.

Патентована технология

The former GLI, now a Hach Company brand, invented the Differential Electrode Technique for pH measurement in 1970. The pH sc takes this field-proven technology to a new level.

Спецификации

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:	автоматично с термистор NTC 300 ohm или чрез ръчно фиксиране на въведена от потребителя температура
Гаранция:	24 месеца

Дебит:	3 m (10 ft.) per second, maximum
Диапазон на налягането:	Макс. 10,7 bar Само за сензора (диапазонът на налягането за монтажното оборудване да се провери отделно)
Дължина:	271.3 mm
Дължина на кабела:	10 m PUR (polyurethane) 4-conductor with one shield, rated to 105°C
Електрод, тип:	General Purpose
Измерване, диапазон:	-2.0 to 14.0 pH
	-1500 to +1500 mV ORP
Изместване на показанията:	0.03 pH за 24 часа, некумулативен
Кабелна връзка:	Digital
Комуникация:	Modbus
Материал на тялото (измервателния уред):	PEEK
Метод на калибриране:	Двучочков автоматичен, едноточков автоматичен, двучочков ръчен, едноточков ръчен
Монтаж, вид:	Convertible
Навлажнени материали:	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)
Повторяемост:	± 0.05 pH
Работна температура:	-5 - 70 °C (23 - 158 °F) pH and ORP
	0 - 50 °C (32 - 122 °F) SS pH
	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)
Разстояние на предаване:	1000 m (3280 ft.), maximum when used with a termination box.
Резба на датчика:	1 " NPT в двата края
Тегло:	0,316 kg
Температура, точност:	± 0.5 °C (± 0.9 °F)
Температурен датчик:	Термистор NTC 300 Ω за автоматична компенсация на температурата и отчитане на температурата от анализатора
Точност:	± 0,02 pH
Условия на съхранение:	4 - 70 °C, 0-95% relative humidity (non-condensing)
Чувствителност:	± 0,01 pH

Задължителни аксесоари

- Модул с дисплей SC1000 (Item LXV402.99.00001)