

Combined pH sensor with PT1000, ¾" convertible, PPS body

Product #: **PC1R2A**

AED Price: Contact Hach
Available

Analog pH sensor, can be used as a flow-through or built-in immersion probe. Suitable for highly aggresive processes requiring more frequent replacement. Easily cleaned flat glass electrode.

The low price sensor´s reference cell features a double-junction design ensuring longer service life, and a built-in solution ground. Complete pH range for measuring mild and aggresive media. Temperature compesation element included.

The sensor can be run with digital controllers with a help of a digital gateway.

Low Price-Great Performance
These combination sensors are designed for specialty applications for immersion or in-line mounting. The reference cell features a double-junction design for extended service life, and a built-in solution ground. The body is molded from chemically-resistant PPS or PVDF, and the reference junction is coaxial porous PTFE. All sensors are rated 0 to 105ºC up to 100 psig, and have integral 4.5 m (15 ft.) cables with tinned leads. The PC-series (for pH) and RCseries (for ORP) combination sensors are ideal for measuring mild and aggressive media.

Special Electrode Configurations
Sensors with rugged dome electrodes, “easy-to-clean” flat glass electrodes, and even HF (hydrofluoric acid) resistant glass electrodes are available for a wide variety of process solutions.

Temperature Compensation Element Option
The PC-series combination pH sensors are available with or without a PT1000 ohm RTD temperature element. The RC-series combination ORP sensors are supplied without a temperature element.

Versatile Mounting Styles
Sensors are available in three mounting styles—convertible, insertion, and sanitary.

Full-Featured “Plug and Play” Hach sc Digital Controllers
There are no complicated wiring or set up procedures with any Hach SC controller. Just plug in any combination of Hach digital sensors and it’s ready to use-it’s “plug and play.” One or multiple sensors-the SC controller family allows you to receive data from up to eight Hach digital sensors in any combination using a single controller.

Specifications

Accuracy:	± 0.1 pH under reference conditions
Cable length:	4.5 m fixed cable, terminated with stripped and tinned wires
Diameter:	33 mm
Electrode type:	Convertible
Flow:	0 - 2 m/s
Housing material:	PPS, Flat Glass
Length:	149.9 mm
Material:	Flat glass
Measuring range:	0 - 14 pH
Operating temperature range:	0 - 105 °C

Parameter:	pH
Pressure range:	6.9 bar at 100 °C
Sensor thread:	0.75" NPT on both ends
Temperature compensation:	Yes
Temperature sensor:	Pt1000
Transmission distance:	max. 1000 m when used with the HACH digital gateway, termination box, and SC100 controller
Warranty:	3 months
Wetted Materials:	PPS, PTFE double junction, glass electrode, FKM/FPM O-rings