

Water Quality Sensors

YSI Amplified pH and pH/ORP Sensors

The new pH and combination pH/ORP sensors have an internal, battery-powered pre-amplifier. The sensors include pH only sensors and combination pH/ORP sensors for the 556 MPS or Pro Series instruments. The sensors are designed to fit on the YSI 556 cables and current YSI Pro Series cables that measure pH or ORP.

FEATURES

- Elimination of potentially erratic readings in high static situations
- Improved sensitivity and stability in applications with very cold waters and for applications requiring long cable lengths
- Best option for applications that require long durations in the field where there is potential for changing sensors in adverse conditions exposing the sensor connectors to moisture
- Battery life in the sensor can last >2 years if used and stored properly

PHYSICAL CONSIDERATIONS

- The amped sensors are approximately 0.75" (1.91 cm) longer.
- To accommodate the new length on cal cups and probe guards, there is an extension adapter to place on the cable bulkhead (not necessary if using only the Quatro cable on the Pro Plus instrument).
- Any Pro10 or Pro1030 Pro Series cables that have a stainless steel probe guard will automatically ship with a slightly longer probe guard after May 1, 2011.
- All flow cells work normally with the new sensors.

HOW TO ORDER

Part No.	Description
12103207	Amplified pH sensor only for the 556
12103208	Kit with amplified pH sensor and extension adapter for the 556
12103209	Amplified pH/ORP sensor only for the 556
12103210	Kit with amplified pH/ORP sensor and extension adapter for the 556
12103505	Amplified pH sensor only for the Pro Series
12103506	Kit with amplified pH sensor and extension adapter for the Pro Series
12103507	Amplified pH/ORP sensor only for the Pro Series
12103508	Kit with amplified pH/ORP sensor and extension adapter for the Pro Series
12103211*	Extension adapter for 556 and for Pro Series dual port cables 1010 and 1020

* No extension adapter is necessary for the Quatro Cable.

The new sensors are available as sensors only or as a kit with the sensor and an extension adapter for the calibration cup and probe guards for the 556 and dual port Pro Series cables.



SPECIFICATIONS

Amplified pH Sensors 1001A, 1003A, 5564A and 5565A

Range	0 to 14 units
Resolution	0.01 unit
Accuracy	±0.2 unit
Type	Combination electrode with ribbon junction and glass
Reference Electrode	Gel-filled
Operating Temp Range	23 to 158°F (-5 to 70°C)
Storage Temp Range	23 to 122°F (-5 to 50°C)
Operating Pressure Range	0 to 100 psi
Response Time	<3 seconds to 95% from soak solution to pH7 at 25°C
Shelf Life	1 year
Pre-Amplifier Battery Life	~2.5 years with proper use and storage
Warranty	1 year

Amplified pH/ORP Combo Sensors 1003A and 5565A (pH specs same as above)

ORP Range	-999 to 999 mV
ORP Resolution	0.1 mV
ORP Accuracy	±20 mV
Type	Combination electrode with ribbon junction and platinum button
Reference Electrode	Gel-filled
Operating Temp Range	23 to 158°F (-5 to 70°C)
Storage Temp Range	23 to 122°F (-5 to 50°C)
Operating Pressure Range	0 to 100 psi
Response Time	<3 seconds to 95% from soak solution to quinhydrone-saturated pH7 at 25°C
Shelf Life	1 year
Pre-Amplifier Battery Life	~2.5 years with proper use and storage
Warranty	1 year

CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.

2650 East 40th Avenue • Denver, Colorado 80205

(303) 320-4764 • (800) 833-7958 • FAX (303) 322-7242

email: sales@geotechenv.com website: www.geotechenv.com