



Flat Tipped pH Electrode for the pH100 Instrument



Model 112-1 Electrode

The 112-1 pH electrode allows for the measurement of pH in any medium requiring a flat tipped style electrode. This probe and cable are designed to be used with the YSI Model pH100 instrument. The cable conveniently detaches from the instrument to allow other YSI electrode styles to be attached to match a customer's application needs.

This probe uses a combination pH/reference electrode with **double junction** for added protection against contamination. The sealed, gel filled double junction provides an extra barrier and allows the electrodes to be used in applications where sulfides, mercaptans, heavy metal ions, and similar materials are present. The flat probe is rugged, abrasion resistant, and "self-cleaning" by eliminating clog points thereby eliminating drift. Applications include, oily wastewater, slurries, sugar refineries, emulsions, flocculent coagulation, soil analysis, and any application where exposed glass bulbs are impossible to use.

- Flat style tip with waterproof 3-foot cable
- Quick response
- Easily wipe clean
- Double-junction provides excellent barrier against reference side contamination

Ordering Information

YSI Part Number	605081
YSI Model Number	112-1
US List Price	\$97.00

Technical Specifications for pH Electrode

pH range	0.0 to 14.0 pH units
Type	Flat tip; Ag/AgCl gel filled reference, double junction electrode
Operating temperature range	50° to 212°F (10° to 100°C)
Operating pressure range	0 to 100 PSIG
Water resistance	IP-67 waterproof rating to connector; connector water resistant
Sensor output	0 mV +/- 20 mV @ 25°C (in pH 7 buffer)
Sensor slope	170 to 181 mV (pH 4 to pH 7 buffer)
Sensor response time	95% of reading in 5 seconds from soak solution to pH 7 buffer @ 25°C
Cable length	3 feet (950 mm)

Dear Water Quality Selling Partner,

YSI is pleased to announce the release of the YSI Model 112-1 flat tipped pH electrode for use with the YSI Model pH100 instrument.

This electrode enables pH measurement in applications not possible of the standard glass bulb electrodes. No need to worry about broken glass bulbs! It's also very easy to wipe clean.

We look forward to mutual success in introducing this exciting new product!

Sincerely,

Tim Grooms
Product Manager,
Water Quality and
Aquaculture Products

To order or for more information, contact YSI Environmental.

800 897-4151
www.YSI.com

YSI Environmental
937 767 7241
Fax 937 767 9353
environmental@YSI.com