pH and ORP Electrodes for Continuous Flow-thru Monitoring

## Specifically Built for Industrial Applications

- ½" NPT external thread for in-line installation
- pH electrode with exclusive PTFE non-clogging membrane
- Double-junction technology
- PVDF body
- Models with built-in matching pin and amplifier

In order to reduce normal contamination coming from industrial use, these electrodes combine a polymer reference and double-junction technology. With this technology, no refilling is required and the electrode can be used in samples such as organic compounds, proteins and heavy metals. In addition, the pH electrodes use a unique annular PTFE junction that minimizes clogging.

These industrial probes have a glass body electrode for use in aggressive chemicals and are easy to clean. A PEI protective sleeve gives the electrodes resistance against mechanical stress. Operating limits are -5 to 80°C (23 to 176°F) and pressure up to 6 bar (87 psi).

Both pH and ORP models are available, many of which include a built-in matching pin. Some models also feature a built-in amplifier, which allows for measurements to be taken far from the location of the instrument without requiring a transmitter.

HI1000 and HI2000 series incorporate a BNC connector that enables connection to any pH/ORP meter quickly and easily. Models with 3 or 5 meters (9.8 or 16 feet) cable are available.
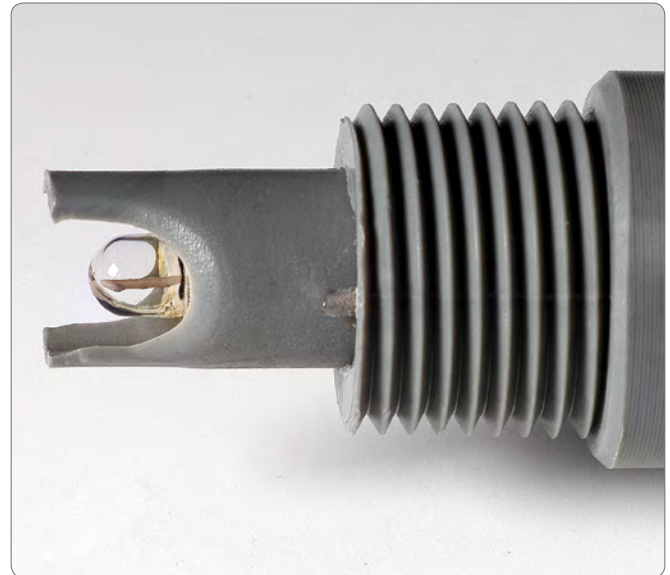
Matching pin with differential input for grounding

HI1000 and 2000 series

¾" GAS NPT ½" GAS NPT DIA 12 mm

26.5 mm 12 mm 30.5 mm 17 mm

86 mm
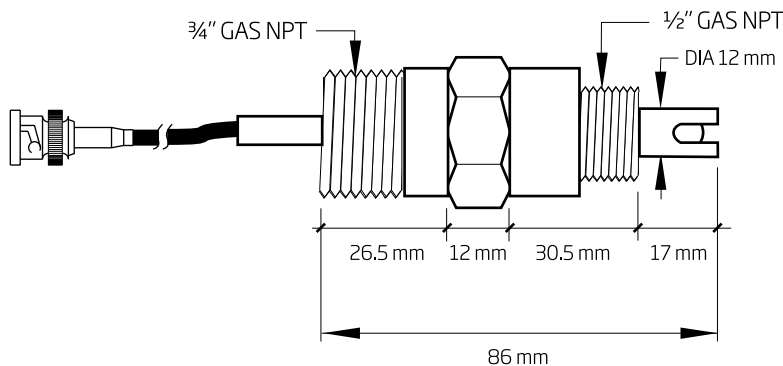
HI1001 and HI 1005 (pH Electrodes) and HI2001 (ORP Electrode with Pt sensor)

Code	Junction	Electrolyte	Temperature	Max Pressure	Connector	Cable
HI1001	double, PTFE	polymer	-5 to 80°C - HT	6 bar (87 psi)	BNC	3 m
HI1005	double, PTFE	polymer	-5 to 80°C	6 bar (87 psi)	DIN	0.5 m
HI2001	double, PTFE	polymer	-5 to 80°C	6 bar (87 psi)	BNC	3 m