

HI 1000 and HI 2000 Series pH and ORP Electrodes for Continuous Flow-thru Monitoring

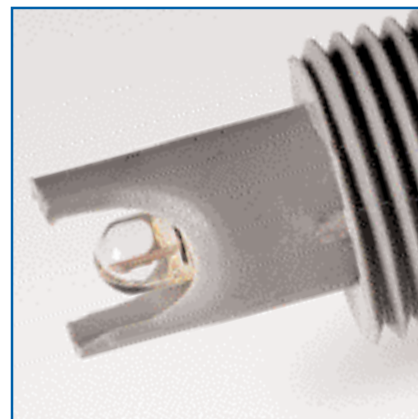
- ½" NPT external thread for in-line installation
- pH electrode with exclusive Teflon® non-clogging membrane
- Double-junction technology
- PVDF body
- Models with built-in matching pin and amplifier

In order to reduce normal contamination coming from industrial use, these electrodes combine a polymer reference and double-junction technology: 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 Teflon® junction that minimizes clogging.

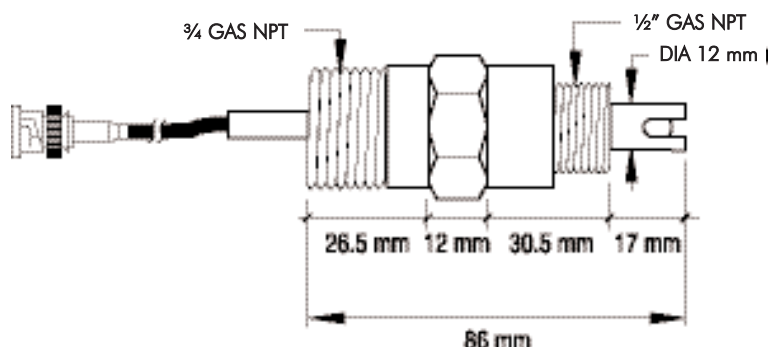
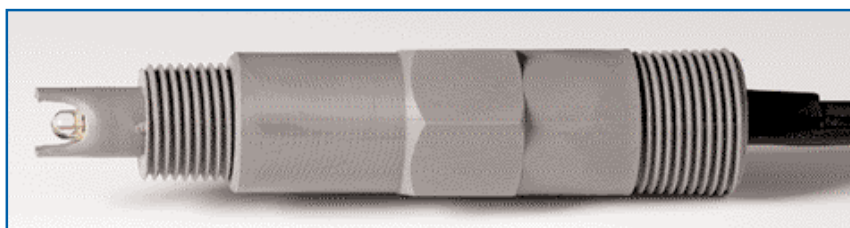
These industrial probes have a glass body electrode for use in aggressive chemicals and are easy to clean. An Ultem® protective sleeve gives the electrodes resistance against mechanical stress. Operating limits are -5 to 80°C (23 to 176°F) and pressure up to 6 bar (87 psi).

Some models, both pH and ORP, are provided with built-in matching pin. Others also feature a built-in amplifier, which allows measurements far from the location of the instrument without requiring a transmitter.

HI 1000 and HI 2000 series come with BNC connector that makes connection to any pH/ORP meter quick and easy; models with 3 or 5 meters (9.8 or 16 feet) cable are available.



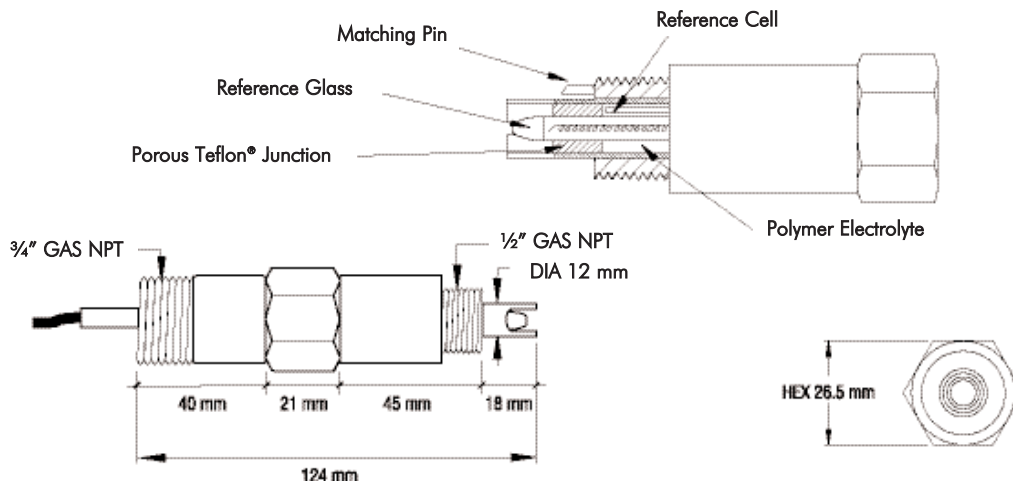
Matching pin with differential input for grounding



HI 1001 (pH Electrode) and HI 2001 (ORP Electrode with Pt sensor)

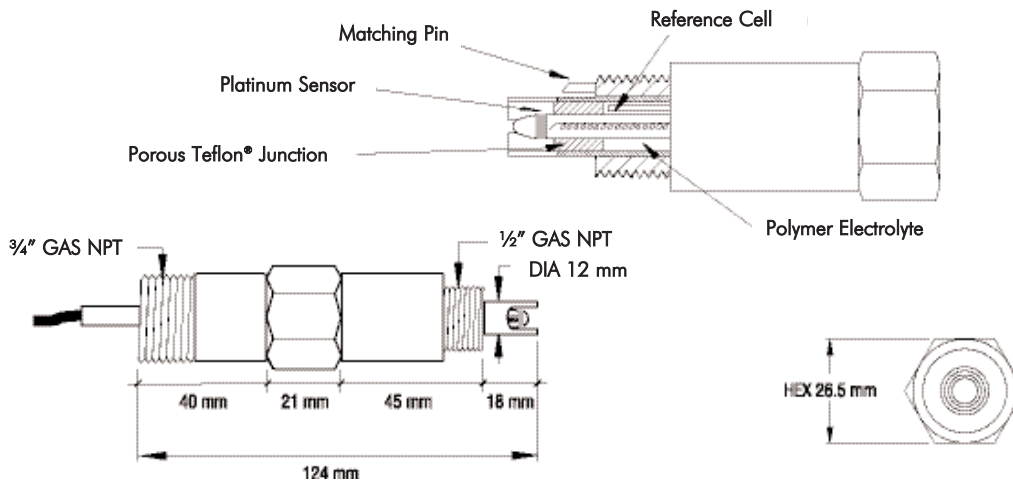
Code	Junction	Electrolyte	Temperature	Max Pressure	Connector	Cable
HI 1001	double, Teflon®	polymer	-5 to 80°C	6 bar	BNC	3 m
HI 2001	double, Teflon®	polymer	-5 to 80°C	6 bar	BNC	3 m

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HI 1000 Series: pH Electrodes

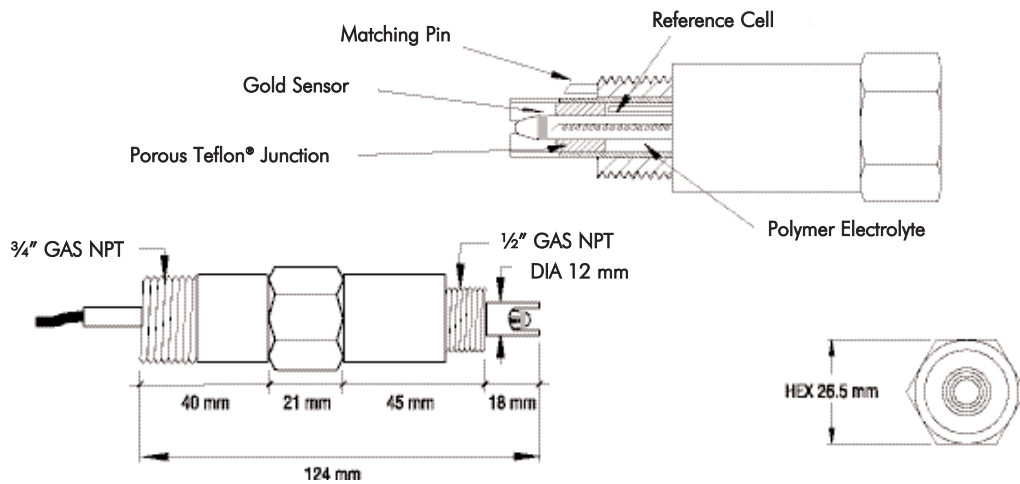
Code	Junction	Electrolyte	Matching Pin	Amplifier	Temperature	Max Pressure	Connector	Cable
HI 1002/3	double, Teflon®	polymer	—	—	-5 to 80°C	6 bar	BNC	3 m
HI 1002/5	double, Teflon®	polymer	—	—	-5 to 80°C	6 bar	BNC	5 m
HI 1003/3	double, Teflon®	polymer	yes	—	-5 to 80°C	6 bar	BNC	3 m
HI 1003/5	double, Teflon®	polymer	yes	—	-5 to 80°C	6 bar	BNC	5 m
HI 1004/5	double, Teflon®	polymer	yes	yes	-5 to 80°C	6 bar	spade lug	5 m



HI 2000 Series: ORP Electrodes with Platinum Sensor

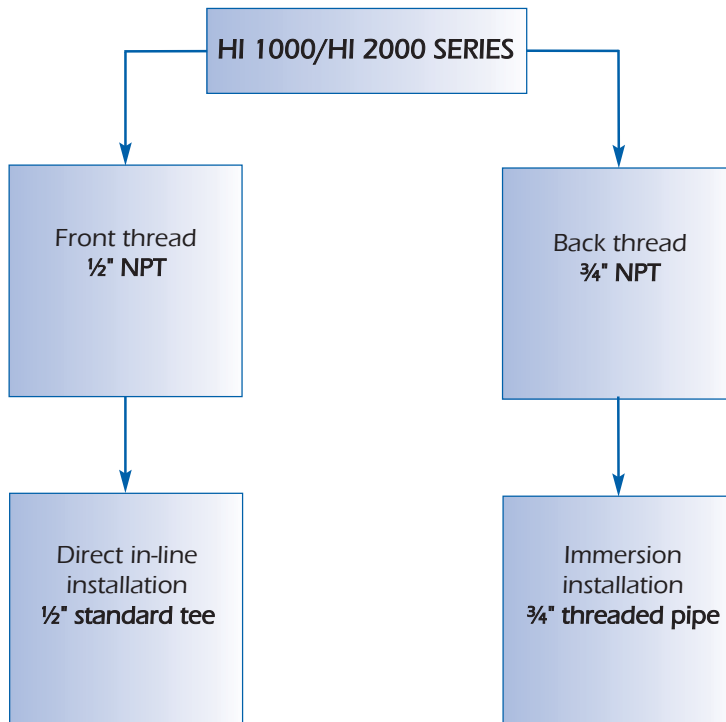
Code	Junction	Electrolyte	Matching Pin	Amplifier	Temperature	Max Pressure	Connector	Cable
HI 2002/3	double, Teflon®	polymer	—	—	-5 to 80°C	6 bar	BNC	3 m
HI 2002/5	double, Teflon®	polymer	—	—	-5 to 80°C	6 bar	BNC	5 m
HI 2003/3	double, Teflon®	polymer	yes	—	-5 to 100°C	6 bar	BNC	3 m
HI 2003/5	double, Teflon®	polymer	yes	—	-5 to 100°C	6 bar	BNC	5 m
HI 2004/5	double, Teflon®	polymer	yes	yes	-5 to 100°C	6 bar	spade lug	5 m

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HI 2000 Series: ORP Electrodes with Gold Sensor

Code	Junction	Electrolyte	Matching Pin	Amplifier	Temperature	Max Pressure	Connector	Cable
HI 2012/3	double, Teflon®	polymer	—	—	-5 to 80°C	6 bar	BNC	3 m
HI 2012/5	double, Teflon®	polymer	—	—	-5 to 80°C	6 bar	BNC	5 m
HI 2013/3	double, Teflon®	polymer	yes	—	-5 to 80°C	6 bar	BNC	3 m
HI 2013/5	double, Teflon®	polymer	yes	—	-5 to 80°C	6 bar	BNC	5 m
HI 2005/5	double, Teflon®	polymer	yes	yes	-5 to 80°C	6 bar	spade lug	5 m



Installation

These sensors have a hex-shaped body for easy installation, requiring no special tools. Continuous in-line mounting is possible thanks to the 1/2" external thread. No special holders are required: HI 1000 and HI 2000 series can be used with any standard 1/2" pipe tee available on the market. On the opposite end, these probes are provided with a 3/4" thread so that they can be attached to a pipe for dip applications.