NEW INDUSTRIAL PROBES

from HANNA instruments CANADA

Process pH and ORP electrodes

Hanna's latest additions to the range of industrial combination pH and ORP electrodes incorporate over 20 years of electrode manufacturing experience. These advanced electrodes feature proven flat tip technology for superior in line performance. The flat tip virtually eliminates deposits that can foul the electrode significantly reducing necessary maintenance.

Each electrode has a built-in potential matching pin. With this feature, electrode fouling due to ground loop current through the reference of the sensor is a thing of the past. These electrodes have been engineered with a replaceable battery to power the amplifier. This feature adds life to the electrode and aids in troubleshooting. Some electrode models are available with a built-in 3-wire Pt 100 sensor allowing the user to do away with any additional probe or thermometer for temperature compensation. For those applications that have proven particularly hostile to glass sensors, Hanna Instruments has developed four types of specialized glass. First is an extremely durable sensor glass for general purpose industrial use. This glass can withstand sudden impacts and extreme mechanical stress. The remaining types of electrode glass allow continuous monitoring in highly acidic solutions containing fluoride ions, as well as high or low temperature process streams significantly increasing the useful life of the electrode.

Your authorized Hanna dealer

1-800-842-6629

www.hannacan.com

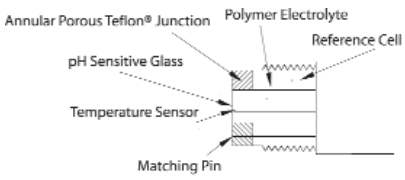
		Reference System							Lead		
Standard glass type pH sensors											
Part #	**Range**	**Junction**	**Type**	**Electrolyte**	**M.Pin**	**ATC**	**AmpHel**	**T° Range**	**Pressure**	**Connector**	**Cable**	**Body**
HI 6100405	0-13	Double	Teflon®	Polymer	Yes	-	Yes	-5 to 80°C	6 bars (87 PSI)	BNC	5 m	PVDF
HI 6101405	0-13	Double	Teflon®	Polymer	Yes	Pt100	Yes	-5 to 80°C	6 bars (87 PSI)	BNC+ Lead	5 m	PVDF
HI 1006-2005	0-13	Double	Teflon®	Polymer	Yes	-	-	-5 to 80°C	6 bars (87 PSI)	BNC	5 m	PVDF
Low T° glass type pH sensors											
Part #	**Range**	**Junction**	**Type**	**Electrolyte**	**M.Pin**	**ATC**	**AmpHel**	**T° Range**	**Pressure**	**Connector**	**Cable**	**Body**
HI 6100605	0-12	Double	Teflon®	Polymer	Yes	-	Yes	-10 to 80°C	6 bars (87 PSI)	BNC	5 m	PVDF
HI 6101605	0-12	Double	Teflon®	Polymer	Yes	Pt100	Yes	-10 to 80°C	6 bars (87 PSI)	BNC+ Lead	5 m	PVDF
HI 1006-1005	0-12	Double	Teflon®	Polymer	Yes	-	-	-10 to 80°C	6 bars (87 PSI)	BNC	5 m	PVDF
High T° glass type pH sensors											
Part #	**Range**	**Junction**	**Type**	**Electrolyte**	**M.Pin**	**ATC**	**AmpHel**	**T° Range**	**Pressure**	**Connector**	**Cable**	**Body**
HI 6100805	0-14	Double	Teflon®	Polymer	Yes	-	Yes	0 to 100°C	6 bars (87 PSI)	BNC	5 m	PVDF
HI 6101805	0-14	Double	Teflon®	Polymer	Yes	Pt100	Yes	0 to 100°C	6 bars (87 PSI)	BNC+ Lead	5 m	PVDF
HI 1006-3005	0-14	Double	Teflon®	Polymer	Yes	-	-	0 to 100°C	6 bars (87 PSI)	BNC	5 m	PVDF
HF resistant glass type pH sensors											
Part #	**Range**	**Junction**	**Type**	**Electrolyte**	**M.Pin**	**ATC**	**AmpHel**	**T° Range**	**Pressure**	**Connector**	**Cable**	**Body**
HI 6100205	0-10	Double	Teflon®	Polymer	Yes	-	Yes	-5 to 60°C	6 bars (87 PSI)	BNC	5 m	PVDF
HI 6101205	0-10	Double	Teflon®	Polymer	Yes	Pt100	Yes	-5 to 60°C	6 bars (87 PSI)	BNC+ Lead	5 m	PVDF
HI 1006-4005	0-10	Double	Teflon®	Polymer	Yes	-	-	-5 to 60°C	6 bars (87 PSI)	BNC	5 m	PVDF

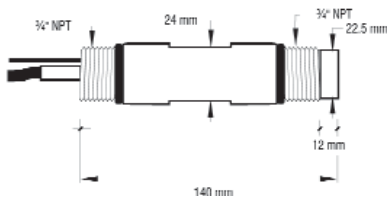
pH ELECTRODES FOR ACID SAMPLES WITH FLUORIDE IONS (F^- max 2 g/L, < 60°C, > 2 pH)* *CONDITIONS LISTED ARE TRUE IN THE PRESENCE OF FLUORIDE

		Reference System							Lead		
Platinum type ORP sensors											
Part #	**Range**	**Junction**	**Type**	**Electrolyte**	**M.Pin**	**ATC**	**AmpHel**	**T° Range**	**Pressure**	**Connector**	**Cable**	**Body**
HI 6200405	±2000 mV	Double	Teflon®	Polymer	Yes	-	Yes	-5 to 100°C	6 bars (87 PSI)	BNC	5 m	PVDF
HI 2004-1005	±2000 mV	Double	Teflon®	Polymer	Yes	-	-	-5 to 100°C	6 bars (87 PSI)	BNC	5 m	PVDF
Gold type ORP sensors											
Part #	**Range**	**Junction**	**Type**	**Electrolyte**	**M.Pin**	**ATC**	**AmpHel**	**T° Range**	**Pressure**	**Connector**	**Cable**	**Body**
HI 6200505	±2000 mV	Double	Teflon®	Polymer	Yes	-	Yes	-5 to 100°C	6 bars (87 PSI)	BNC	5 m	PVDF
HI 2004-2005	±2000 mV	Double	Teflon®	Polymer	Yes	-	-	-5 to 100°C	6 bars (87 PSI)	BNC	5 m	PVDF

Flat tip probe diagram

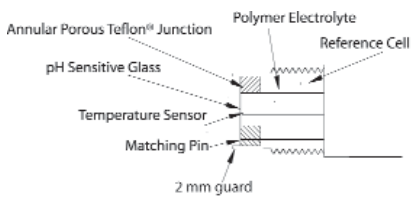
HI 6100405 HI 6100605 HI 6100205
HI 6101405 HI 6101605 HI 6101205

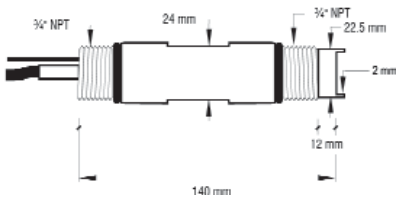




Flat tip probe (with guard) diagram

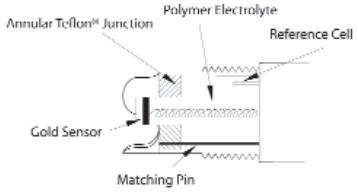
HI 1006-2005 HI 6100805 HI 1006-3005
HI 1006-1005 HI 6101805 HI 1006-4005

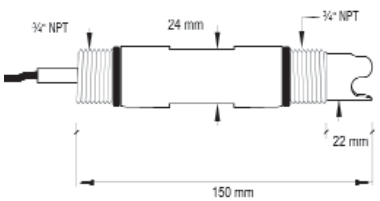




Platinum and gold probe diagram

HI 6200405 HI 6200505
HI 2004-1005 HI 2004-2005





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