

pH sensors



Model 10 – General purpose ½” NPT pH sensor.		
Temperature;	-5~80°C.	
Pressure;	0~100 psi.	
Cable length;	3 metres.	
Ref. cell;	Single junction, KCl/AgCl.	
Ref. junction;	Porous teflon.	
Applications;	Non toxic solutions e.g. Potable water, cooling towers, fresh/salt water aquariums.	
MODEL	DESCRIPTION	PRICE
M-10	Model 10 General purpose ½” NPT pH sensor.	\$310.00
M-10-ORP	Model 10-ORP General purpose ½” NPT ORP sensor. Used for Redox measurement in relatively clean waters.	\$375.00

www.intech.co.nz/m10



Model 11 – General purpose ¾” NPT pH sensor.		
Temperature;	0~80°C.	
Pressure;	0~100 psi.	
Cable length;	3 metres.	
Ref. cell;	Double junction, KNO ₃ and KCl/AgCl. High resistance to electrode poisoning solutions.	
Applications;	For both submersible and insertable use in process and waste water.	
MODEL	DESCRIPTION	PRICE
M-11	Model 11 General purpose ¾” NPT pH sensor.	\$395.00
M-11-Pt100	Model 11-Pt100 General purpose ¾” NPT pH sensor. Includes a Pt100 sensor.	\$490.00
M-11-Pt100-HT	Model 11-Pt100-HT General purpose ¾” NPT pH sensor. High temp. version including a Pt100 sensor. High temperature; 0~110°C. High pressure; 0~150 psi. Do not use where ethers, ketones and most aromatic hydrocarbons are present. If these solvents are present use the standard version regardless of the temperature.	\$575.00
M-11-ORP	Model 11-ORP General purpose ¾” NPT ORP sensor. Used for Redox measurement in waste water treatment. Platinum sensing element.	\$490.00

www.intech.co.nz/m11

NOTE
For alkaline conditions between pH 7 ~ 13 use the -HT option.
For conditions above pH 13 contact Intech.



Model 12 – General purpose ¾” NPT pH sensor for flowing, viscous applications.		
Temperature;	0~80°C.	
Pressure;	0~100 psi.	
Cable length;	3 metres.	
Ref. cell;	Double junction, KNO ₃ and KCl/AgCl. High resistance to electrode poisoning solutions. The concave sensor configuration protects the pH bulb from particulate matter and provides a cleansing flow without affecting the line pressure characteristics. Ideal for pipelines with flow velocities greater than 30 cm/sec.	
Applications;	Typical applications include batching and process control in the chemical, petro-chemical, pulp/paper and electroplating industries.	
MODEL	DESCRIPTION	PRICE
M-12	Model 12 General purpose ¾” NPT pH sensor.	\$395.00
M-12-Pt100	Model 12-Pt100 General purpose ¾” NPT pH sensor. Includes a Pt100 sensor.	\$490.00
M-12-Pt100-HT	Model 12-Pt100-HT General purpose ¾” NPT pH sensor. High temp. version including a Pt100 sensor. High temperature; 0~110°C. High pressure; 0~150 psi. Do not use where ethers, ketones and most aromatic hydrocarbons are present. If these solvents are present use the standard version regardless of the temperature.	\$575.00

www.intech.co.nz/m12

<< Please refer to page 36 for our pH-HR data logger - ideal for use with these pH probes!
(We recommend the probes that include the -Pt100 option for the best possible accuracy with the LPI-pH & pH-HR)

pH sensors

Model 21 – General purpose 3/4" NPT pH sensor with long insertion length.

Temperature; 0~80°C.
 Pressure; 0~100 psi.
 Cable length; 3 metres.
 Ref. cell; Double junction, KNO₃ and KCl/AgCl.
 High resistance to electrode poisoning solutions, typically those with cyanide, ammonia, sulphide and heavy metals in appreciable concentrations.

Applications; A combination pH sensor for insertion in tanks and large diameter pipes using process and waste water.

MODEL	DESCRIPTION	PRICE
M-21	Model 21 General purpose 3/4" NPT pH sensor with long insertion length.	\$405.00
M-21-Pt100	Model 21-Pt100 General purpose 3/4" NPT pH sensor with long insertion length. Includes a Pt100 sensor.	\$545.00
M-21-Pt100-HT	Model 21-Pt100-HT General purpose 3/4" NPT pH sensor with long insertion length. High temperature version including a Pt100 sensor. High temperature; 0~110°C. High pressure; 0~150 psi. Do not use where ethers, ketones and most aromatic hydrocarbons are present. If these solvents are present use the standard version regardless of the temperature.	\$585.00
Options		Add Price
Z7450	Cleaning Cage Kit.	\$270.00
	Note: Sensors must be ordered with the SCO option.	\$70.00



www.intech.co.nz/m21

NOTE
 For alkaline conditions between pH 7 ~ 13 use the -HT option.
 For conditions above pH 13 contact Intech.

<< Please refer to page 36 for our pH-HR data logger - ideal for use with these pH probes!
 (We recommend the probes that include the -Pt100 option for the best possible accuracy with the LPI-pH & pH-HR)

Electrochemical transmitters



- ◆ 4~20mA loop powered.
- ◆ LCD display.
- ◆ 2 kV isolation.
- ◆ 0.1% accuracy.
- ◆ 40~200mV output test signal.
- ◆ LED indication of loop current.
- ◆ IP67 enclosure.

MODEL	DESCRIPTION	PRICE
LPI-pH	pH voltage to DC isolating transmitter with LCD display. pH milli volt input and Pt100 temperature compensation. Slope and offset adjustments for on-site calibration.	\$620.00
LPI-DO₂	DO₂ voltage to DC isolating transmitter with LCD display. 0~30 milli volt input. Range, 0~8.26 ppm oxygen. Slope and offset adjustments for on-site calibration.	\$620.00

pH
www.intech.co.nz/lpi-ph

DO₂
www.intech.co.nz/lpi-do2

	0	ACID H+				NEUTRAL 7				ALKALINE OH-				14	
pH	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
mV at 25°C	+413							0							-413