

Industrial pH Sensor

SELECTION GUIDE

MODEL 642	BASIC DESCRIPTION (Submersible pH Sensor)	
	Industrial submersible combination pH electrode with annular wood junction reference and protected general-purpose tip measuring 0 pH to 14 pH at 10 °C to 80 °C (50 °F to 176 °F). Self-pressurizing design with 30.5 cm (12 inch) CPVC body length, ¼ inch FNPT process connection and 3 m (10 ft) lead length with BNC fitting. Includes one instruction manual.	
	ADD	ELECTRODE OPTIONS
	-0	Solution ground connected
	-1	Ruggedized high temperature pH tip, 20 °C to 105 °C (68 °F to 221 °F); not recommended below 50 °C (122 °F)
	-3	High pH tip, for applications where 10 pH to 14 pH is common; 10 °C to 105 °C (50 °F to 221 °F)
	-4()	-4(P): Platinum ORP tip; -4(G): Gold ORP tip
	-5	Extra rugged tip, 20 °C to 130 °C (68 °F to 266 °F), 0 pH to 14 pH. Need option -12 for applications over 90 °C (194 °F)
	-6	Flat glass tip, 0 °C to 90 °C (32 °F to 194 °F), no flutes
	-7	Double junction reference; to inhibit ion contamination from the process
	-8	Plastic reference; for long life & hot applications over 80 °C (176 °F).
	-12	PVDF body, maximum 130 °C (266 °F); limited by maximum temperature of pH glass
	-17	Hytec II porous junction; suggested for strong caustic or acid applications
	ADD	MOUNTING OPTIONS
	-21(x)	1 inch MNPT, threaded for flow tee, specify insertion length below threads, (x) inch. Max. 8 inch, price per inch
	-24	1 inch MNPT outside back end thread for mounting (¾ inch FNPT inside)
	ADD	TEMPERATURE COMPENSATION OPTIONS
	-31	Temperature compensator, 3K ohm.
	-32	Temperature compensator, 100 ohm RTD.
	-33	Temperature compensator, micro TC. -33P, micro TC with pinjacks.
	-34	Temperature compensator, 1000 ohm RTD. -34P, 1000 ohm RTD with pinjacks.
	ADD	OPTIONS
	-71(x)	Short sensor cable; length less than 3 m (10 ft), specify (x) feet.
	-72(x)	Long sensor cable; length greater than 3 m (10 ft), max 30 m (100 ft), specify (x) feet, price per foot.
	-73	Pulp modified tip, concave junction surface
	-78	Tip modified for chemical cleaner, not available with options -21, -23, -25 & -73
	-79	Chemical cleaner accessories including pump and nozzle, P/N A2100020. Requires a timer or -51 option in analyzer.
	-89	Stainless steel tag.
	-93	Colored buffer 6-pack: 4, 7 & 10, P/N A1100054. For pure water see P/N A1100220-6P.
	-94	Buffer 4.0 pH, 500 mL bottle, red, P/N A1100051. For pure water see P/N A1100216.
	-95	Buffer 7.0 pH, 500 mL bottle, green, P/N A1100052. For pure water see P/N A1100217.
	-96	Buffer 10.0 pH, 500 mL bottle, blue, P/N A1100053. For pure water see P/N A1100218.

Sample Order:

642	-33	pH electrode with micro TC
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DELIVERY estimate for 1-19 units
(quantity 20 & up, consult factory)

Stock to 3 w eeks 642: Most options
3 to 6 w eeks 642: -4(G) -24 -79 -81

CALIBRATION AND SERVICE SUPPLIES
Please see pH Buffer and Calibration Kit Sheets