

## True-Union Sensor

### SELECTION GUIDE

MODEL 614	<b>BASIC DESCRIPTION (Quick Connect pH Sensor)</b>	
	Universal submersible/flow/insertion combination pH electrode with protected general purpose 0 pH to 14 pH tip, and 10 °C to 90 °C (50 °F to 194 °F) at 0 kPa to 448 kPa (0 psi to 65 psi), up to 690 kPa (100 psi) at 65 °C (149 °F), annular wood reference junction, self-pressurizing design. 16.5 cm (6.5 inch) CPVC body, fits flow cell (1 inch slip), and has ½ inch FNPT submersion pipe mount, lead length 1.5 m (5 ft) with BNC fitting. Includes one instruction manual.	
<b>ADD</b>	<b>ELECTRODE OPTIONS</b>	
-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). 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	
<b>ADD</b>	<b>MOUNTING OPTIONS</b>	
-21	CPVC one piece flow cell/insertion fitting, 1 inch slip, P/N A2300121.	
-22	PVDF flow cell, 1 inch FNPT, P/N A2300122.	
-23	316SS flow cell, 1 inch FNPT, P/N A2300123.	
-24	CPVC flow cell, 1 inch FNPT, P/N A2300124.	
-25	Slotted ½ inch NPT close-nipple for submersion mounting, P/N A2300134.	
-26	CPVC quick connect insertion fitting, 1 inch MNPT, to 414 kPa (60 psi) at 90 °C (194 °F), P/N A2300126.	
-28	SS quick connect insertion fitting, 1 inch MNPT, to 690 kPa (100 psi) at 150 °C (302 °F), P/N A2300128.	
<b>ADD</b>	<b>TEMPERATURE COMPENSATION OPTIONS</b>	
-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	
<b>ADD</b>	<b>OPTIONS</b>	
-71(x)	Short sensor cable; length less than 1.5 m (5 ft), specify (x) feet	
-72(x)	Long sensor cable; length greater than 1.5 m (5 ft), max 30 m (100 ft), specify (x) feet, price per foot.	
-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:

614	-33	Quick connect pH sensor with micro TC
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DELIVERY estimate for 1-19 units  
(quantity 20 & up, consult factory)

Stock to 3 weeks 614: Most options

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