

## High Pressure Retractable pH Sensor

### SELECTION GUIDE

MODEL 617	<b>BASIC DESCRIPTION (Cartridge Type Ball Valve Retractable pH Sensor)</b>	
	Industrial high pressure pH cartridge electrode; PVDF & stainless steel, 18.4 cm (7.25 inch) long with 1.8 m (6 ft) cable and mini-BNC. Maximum pressure 2.07 MPa (300 psi) and maximum temperature 105 °C (221 °F) measuring 0 pH to 14 pH. The pH electrode retracts into a 1¼ inch diameter process isolation housing. Reference is plastic with long life porous plastic annular junction. Optional temperature compensation available. Includes one instruction manual. Requires option -22(xxx) or model 600.	
<b>ADD</b>	<b>ELECTRODE OPTIONS</b>	
-0	Solution ground connected	
-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). Option -73 recommended 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	Wood reference junction; suggested for high-dirt or fiber applications	
-9	Pulp tip configuration, concave junction surface	
<b>ADD</b>	<b>BODY OPTIONS</b>	
-13	Titanium body pressure band	
-14	60 cm (24 inch) leads for integral interface	
-21	SS retractable ball valve, pressure 2.07 MPa (300 psi) max; 1¼ inch MNPT. All wetted parts SS; ball valve, fittings, housing, etc., P/N A2100065.	
-22(xxx)	Integral-mounted 600 interface in explosion proof UL & CSA J-box. Specify analyzer model number in brackets. Requires option -14. Requires cable to analyzer; refer to 600 Interface Reference Guide.	
<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 1.8 m (6 ft), specify (x) feet	
-72(x)	Long sensor cable; length greater than 1.8 m (6 ft), max 30 m (100 ft), specify (x) feet, price per foot.	
-73	High temperature construction, 105 °C to 130 °C (221 °F to 266 °F). Requires option -5.	
-74	Adapter fitting; mini-BNC to BNC, for use with BNC preamp, P/N A2500059.	
-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:

617	-21-22(xxx)	-33	Ball valve sensor with preamp, ball valve retractable fittings and micro TC
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DELIVERY estimate for 1-5 units  
(quantity 6 & up, consult factory)

2 to 6 weeks 617: Most options  
3 to 8 weeks 617: -21

CALIBRATION AND SERVICE SUPPLIES

Please see pH Buffer and Calibration Kit Sheets