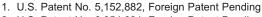
Low Maintenance pH Combination Electrode

- OPTIONAL FREE-SPINNING VP 6.0 CONNECTOR for use with integral Pt 100 or Pt 1000 temperature compensation
- PATENTED, INDUSTRY-PROVEN TUpH™ reference technology¹ provides maximum coating resistance to semi-solid process media
- PATENTED HELICAL REFERENCE PATHWAY² provides a 310 mm diffusion path to deter contamination from poisoning ions such as sulfides and mercury
- AccuGLASS[™] pH membrane glass for enhanced sensor performance and increased life, in both acid and alkaline media
- DESIGNED FROM RUGGED, HIGH-QUALITY MATERIALS to provide superior chemical resistance and durability
- OPTIONAL PG 13.5 SCREW PLUG THREAD with single pole connector for simple and easy installation without cable twisting



^{2.} U.S. Patent No. 6,054,031, Foreign Patent Pending

TUpH, EuroSenz, and AccuGLASS are trademarks of Rosemount Analytical



Model 371-72 Variopol VP 6.0

FEATURES AND APPLICATIONS

The Model 371 is a low maintenance, disposable combination electrode that is designed to deliver improved life in harsh, dirty applications such as waste water treatment, coagulation and flocculation processes, pigment/dye applications, and other media where large quantities of suspended solids are present.

The industry-proven TUpH technology provides a large surface area diaphragma (reference junction), approximately 400 times larger than a typical reference frit, to ensure continuous contact between the reference element and process media for reliable pH measurement.

The Model 371 features rugged polypropylene, singlebody construction to resist breakage commonly associated with handling. The electrode is sealed with EPDM and features a PG 13.5 threaded connection with optional free-spinning VP 6.0 (for integral TC) or single pole, Eurocap plughead.

The Model 370 is a simple combination pH sensor with a ceramic diaphragma and glass construction. It is available in a wide variety of lengths and features a single pole connection plug to retrofit industry standard PG 13.5 installations.

The AccuGLASS pH membrane, available in all models, minimizes glass cracking for increased life. This electrode has been designed with simplified construction and user convenience in mind; it does not require electrolyte replenishment or component replacement.



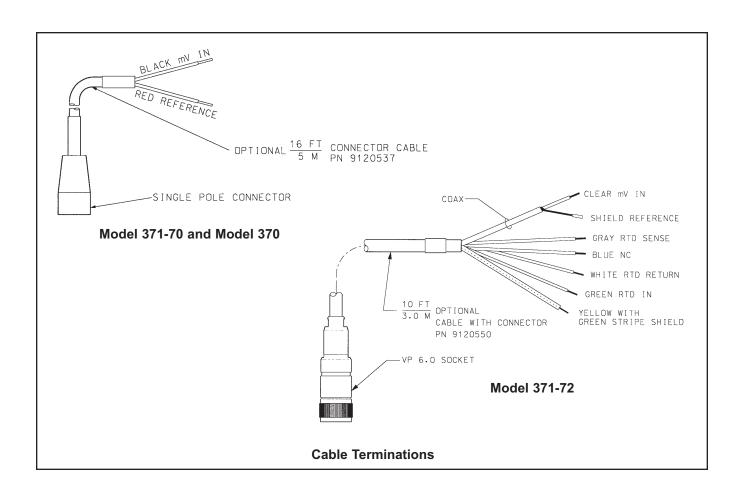


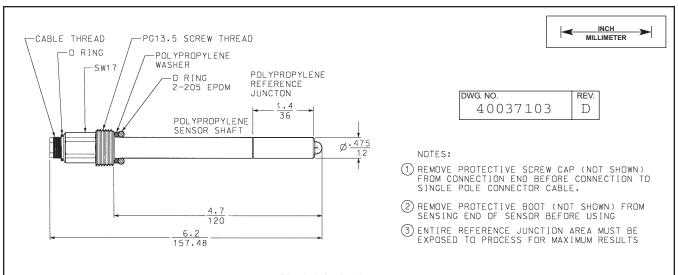
PERFORMANCE AND PHYSICAL SPECIFICATIONS

	MODEL 370	MODEL 371-70	MODEL 371-72
Electrode Types:	рН	pH or ORP (Redox)	pH or ORP (Redox)
pH Range:	0-14 pH*	0-14 pH*	0-14 pH*
Membrane Type:	GPHT*	GPLR*	GPLR*
Percent Linearity:	97% @ 0-4 pH, 99% @ 4-12 pH, 96% @ 12-13 pH, 92% @ 13-14 pH	96% @ 0-4 pH, 99% @ 4-12 pH, 97% @ 12-13 pH, 92% @ 13-14 pH	96% @ 0-4 pH, 99% @ 4-12 pH, 97% @ 12-13 pH, 92% @ 13-14 pH
ORP (Redox) Range:	N/A	-1500 to 1500 mV	-1500 to 1500 mV
Wetted Materials:	Polypropylene, Glass, or EPDM	Polypropylene, Glass, EPDM or Platinum (ORP)	Polypropylene, Glass, EPDM or Platinum (ORP)
Process Connection	Fixed PG 13.5 thread	Fixed PG 13.5 thread	Free spinning PG 13.5 thread
Electrical Connection	Single Pole Eurocap connector	Single Pole Eurocap connector	Variopol (VP 6.0) for TC
Temperature Range	0 - 100°C (32 - 212°F)	0 - 85°C (32 - 185°F)	0 - 95°C (32-203°F)
Pressure Range	100-790 kPa (abs) (0-100 psig)	100-790 kPa (abs) (0-100 psig)	100-790 kPa (abs) (0-100 psig)
Thermocompensation	None available	None available	Pt 100 or Pt 1000
Interconnect Cable	9120537 (5 m)	9120537 (5 m)	9120550 (3 m)
Weight/Shipping Weight	28.3g/453g	28.3g/453g	28.3g/453g
Reference (diaphragma)	Ceramic	Polypropylene with 310 mm diffusion path**	Polypropylene with 180 mm diffusion path**

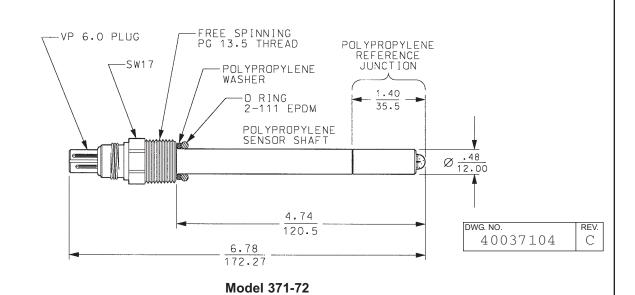
^{*} For greater accuracy above 12 pH, high pH glass is available upon request.

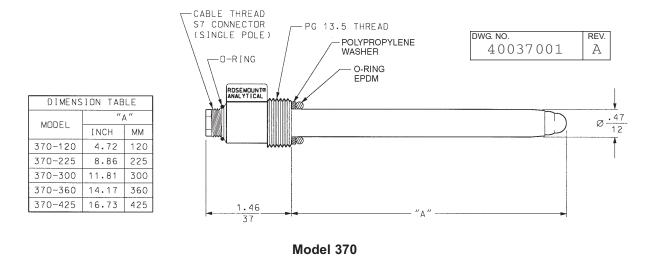
^{**} Minimum conductivity 100 μS/cm, nominal; 150 μS/cm.





Model 371-70





Dimensional Drawings

ORDERING INFORMATION

Model 371 pH/ORP Sensor is housed in a molded polypropylene body with 120 mm insertion depth and a choice of two standard PG 13.5 threaded screw plugs for easy connection. The sensor features the TUpH diaphragma (reference junction) and diffusion path with gel filled electrolyte.

MODEL 371	PG 13.5 INSERTION, HIGH PERFORMANCE EUROSENZ pH/ORP SENSOR		
CODE	MEASURING ELECTRODE (Required selection)		
10	Combination pH Sensor, GPLR Hemi Bulb		
12	Platinum ORP (Redox) Sensor		
CODE	PLUG TYPE (Required Selection)		
70	PG 13.5 threaded screw plug, single pole Eurocap		
72	PG 13.5 threaded screw plug, VP 6.0 for TC		
CODE	TEMPERATURE COMPENSATION (Valid only with Option -72)		
54	Pt 100		
56	Pt 1000		
371	-10 -70 EXAMPLE		

Model 370 Combination pH Sensor is housed in a glass body, with variable insertion depths ranging from 120 to 425 mm, and features a ceramic diaphragma and S7 (single pole) connection plug.

MODEL 370 PG 13.5 INSERTION, GLASS COMBINATION EUROSENZ pH SENSOR				
CODE	INSERTION DEPTH WITH SINGLE POLE EUROCAP			
120	120 mm			
225	225mm			
300	300 mm			
360	360 mm			
425	425 mm			
370	-120	EXAMPLE		

ACCESSORIES

PN	DESCRIPTION		
9120537	Cable with single pole connector for Eurocap (option -70 and Model 370), coaxial connection, 5 m (16.4 ft)		
9120550	Cable with VP 6.0 connector (option -72), coaxial connection with TC (option -72), 3 m (9.8 ft)		
9160504	Cable with VP 6.0 connector (option -72), coaxial connection with TC (option -72), 5 m (16.4 ft)		
9210012	Buffer solution, 4.01 pH, 500 ml (16 oz)		
9210013	Buffer solution, 6.86 pH, 500 ml (16 oz)		
9210014	Buffer solution, 9.18 pH, 500 ml (16 oz)		
9120342	KCl electrolyte solution, 250 ml (8 oz)		
R508-1602	ORP standard solution, 460 mV, 500 ml (16 oz)		



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