# Signet 8750 pH/ORP Transmitters





Check out the 9900 Transmitter for your single channel needs

#### Member of the ProcessPro® Family of Instruments





Panel Mount

Pipe, Tank, Wall Mount

The Signet 8750 pH/ORP Transmitter is designed for broad application and ease of setup and use. The unit auto-configures for either pH or ORP use when connected to Signet pH or ORP electrodes. Multiple mounting options allow for installation best suited to your particular application.

The EasyCal menu features automatic buffer recognition for mistake-proof pH or ORP electrode calibrations. Intuitive software and the four button keypad arrangement make it easy to access important information such as pH or ORP, mV input, temperature, calibration, relay setup menus and more.

### **Features**

- Automatic temperature compensation
- Temperature display in °C or °F
- · Hold and simulate functions
- Relay options available
- Output scaleability
- Optional dual output
- NEMA 4X/IP65 enclosure with self-healing window
- EasyCal









## **Applications**

- Neutralization Systems
- Heavy Metals Recovery
- Plating Control
- Scrubber Control
- Pool and Spa Control
- Environmental Study
- Water Treatment
- Water Quality Monitoring
- Waste Treatment
- Disinfection

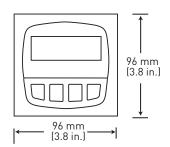
# **Specifications**

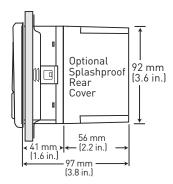
General					
Accuracy	±0.03 pH, ±2 mV ORP				
Display	2 x 16 LCD				
	Contrast	User selectable, 5 levels			
Material					
Case	PBT				
Panel Case Gasket	Neoprene				
Window	Polyurethane coated polycarbonate				
Keypad	Sealed 4-key silicone rubber				
Electrical					
Power	12 to 24 VDC ±10% regulated				
	(-1) 21 mA max.	(-2) 220 mA max.	(-3) 60 mA max.	3) 60 mA max.	
Electrode Input Range	рН	0 to 14 pH			
	Temp.	3K Balco, -25 °C to 120 °C	-13 °F to 248 °F		
	ORP	-1000 to +2000 mV, isolated	10 KΩ I.D. resistance	: T+, T-	
Current Output	4 to 20 mA, isolated, passive, fully adjustable and reversible				
	Max. Loop Impedance	50 Ω max. @ 12 V	325 Ω max. @ 18 V	600 Ω max. @ 24 V	
	Update Rate	0.5 seconds			
	Accuracy	±0.03 mA @ 25 °C, 24 V			
Relay Output	Mechanical SPDT contacts	High, Low, Pulse, Off			
	Maximum Voltage Rating	5 A @ 30 VDC, or 5 A @ 250 Y	VAC resistive load		
	Hysteresis	User-adjustable Max 400 pul	.ses/min.		
	Open-Collector Output	High, Low, Pulse, Off			
	Optically isolated, 50 mA max, sink, 30 VDC max. pull-up voltage.				
	Hysteresis	User-adjustable Max. 400 pu	lses/min.		
Environmental					
Operating Temperature	-10 °C to 70 °C	14 °F to 158 °F			
Storage Temperature	-15 °C to 80 °C	5 °F to 176 °F			
Relative Humidity	0 to 95%, non-condensing				
Enclosure	NEMA 4X/IP65 (front face only on panel mount); field mount is 100% NEMA 4X/IP65				
Shipping Weight					
	0.6 kg	1.3 lb			
Standards and Approva					
	CE, UL, CUL				
	RoHS compliant				
	China RoHS				
	Manufactured under ISO 9001 for Quality and ISO 14001 for Environmental Management				

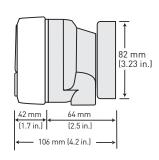
### **Dimensions**

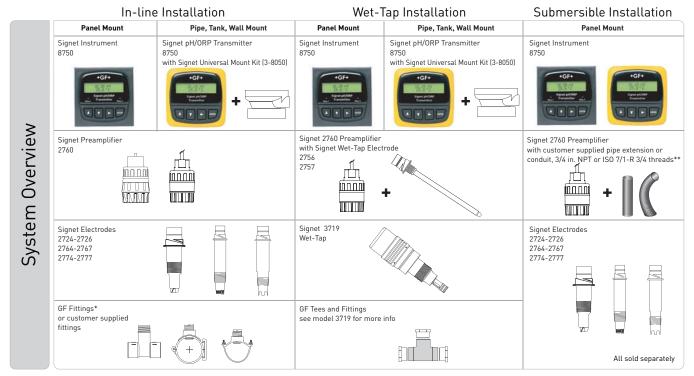
#### 3-8750-XP Panel Mount

#### Field version with Universal Mounting Kit



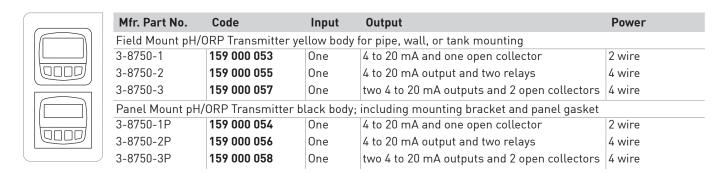






<sup>\*</sup>See fittings section for more information.
\*\*Refer to the Signet Submersion brochure located in the K-Factors Fittings and More Kit (3-0000-709) for installation suggestions and options.

## **Ordering Information**



Please refer to Wiring, Installation, and Accessories sections for more information.

#### Model 8750 Ordering Information

- 1) For panel version, cutout should be 92 x 92 mm (3.62 x 3.62 in.)
- 2) To mount the panel version on a wall, use the heavy duty wall mount bracket.
- 3) An optional splashproof rear cover can be ordered separately if needed panel mount version only.
- 4) Use the universal mounting kit with the field mount instrument to mount to a pipe, tank or wall.
- 5) Order RC filter kits to protect relays from voltage spikes.

## **Accessories and Replacement Parts**

Mfr. Part No.	Code	Description	
Mounting			
3-8050	159 000 184	Universal mounting kit	
3-8050.392	159 000 640	1/4 DIN retrofit adapter	
3-8050.395	159 000 186	Splashproof rear cover (panel mount only)	
3-0000.596	159 000 641	Heavy duty wall mount bracket (panel mount only)	
3-5000.598	198 840 225	Surface mount bracket (panel mount only)	
3-9900.396	159 001 701	Angle adjustment adapter kit	
Liquid Tight Connectors			
3-9000.392	159 000 368	Liquid tight connector kit for rear cover (3 connectors)	
3-9000.392-1	159 000 839	Liquid tight connector kit, NPT (1 connector)	
3-9000.392-2	159 000 841	Liquid tight connector kit, PG 13.5 (1 connector)	
Other			
3-8050.396	159 000 617	RC filter kit (for relay use), 2 per kit	
3-0700.390	198 864 403	pH buffer kit (1 each 4, 7, 10 pH buffer in powder form, makes 50 ml of each)	
3-8050.625-70	159 001 654	Clear window display with adhesive	