



The Signet 2750-7 pH Electronics conditions the output signal from the Signet 2724 pH Electrode and provides a Digital (S³L) signal to the Signet 8630, 8900, and 9900 instruments.

Signet's patented DryLoc[®] connector provides a quick and secure connection to the sensor. Gold-plated contacts and an O-ring seal ensure a waterproof and reliable interconnect to the sensor.

Sensor maintenance, replacement and troubleshooting has never been easier. The DryLoc electronics can be separated from the sensor, which allows the user to detect a faulty sensor, electronics or cable assembly.

Features

- Amplifies the output from the pH electrode and converts it to a reliable digital (S³L) signal.
- Patented DryLoc[®] connector provides a quick and secure connection to the sensor
- Waterproof and reliable interconnect to the sensor
- Easy sensor replacement without running new cable
- Easy sensor removal for servicing



Applications

- Water and Wastewater Treatment
- Effluent Monitoring
- Surface Water
- HVAC Applications (cooling water)
- Sanitization Systems
- Food and Beverage
- Pool and Spa Control
- Aquatic Animal Life Support Systems
- Water Parks

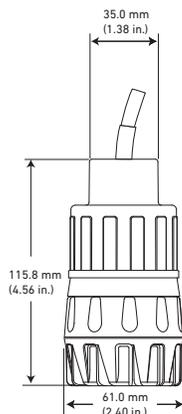
System Overview

Panel Mount	
Signet Instrument 8630-3P, 8900, 9900	
Signet 2750-7 pH Electronics	
Signet Electrodes 2724-2726 2734-2736 2764-2767 2774-2777	
Signet Electrodes 2756WT 2756WTP 2757WT 2757WTP	
All sold separately	
Signet Fitting 3610	
Signet Wet-Tap 3719	

Specifications

General		
Compatibility	Signet DryLoc pH and ORP Electrodes, 2724-2726, 2734-2736, 2764-2767 2774-2777 and 2756-2757 Wet-Tap	
Mounting	DryLoc connection	
Materials	Valox® (PBT)	
Cable	4.6 m (15 ft) 3 conductor shielded, 22 AWG	
Performance		
Electronics Accuracy	±0.03 pH @ 25 °C, ±2 mV ORP @ 25 °C	
Operational Range	0.0 to 14.0 pH, -1000 mV to + 2000 mV ORP	
Resolution	0.02 pH, 1 mV ORP	
Response Time	< 6 s for 95% of change	
Electrical		
Input Specifications		
Input Impedance	>10 ¹¹ Ω	
Temperature Drift	±0.002 pH per °C, ±0.1mV ORP per °C	
Input Resolution	0.02 pH, 0.3 °C, 1.0 mV ORP	
Output Specifications		
Digital (S ³ L)	Serial ASCII, TTL level 9600 bps	
Max. Cable Length	30 m (100 ft)	
Power Supply Input	Digital (S ³ L) mode	5 to 6.5 V ±10%, 3 mA max.
Environmental		
Operating Temperature	0 °C to 85 °C	32 °F to 185 °F
Storage Temperature	-20 °C to 85 °C	-4 °F to 185 °F
Relative Humidity	0 to 95%, non-condensing	
Enclosure	NEMA 4X/IP65	
Shipping Weight		
	0.64 kg	1.41 lb
Standards and Approvals		
	CE, FCC	
	RoHS compliant, China RoHS	
	Manufactured under ISO 9001 for Quality and ISO 14001 for Environmental Management and OHSAS 18001 for Occupational Health and Safety	

Dimensions



Ordering Information

Mfr. Part No.	Code	Description
3-2750-7	159 001 671	pH and ORP electronics with 3/4" NPT Female thread

Valox® is a registered trademark of SABIC Innovative Plastics

3-2750-7.099 Rev E (02/16)

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