

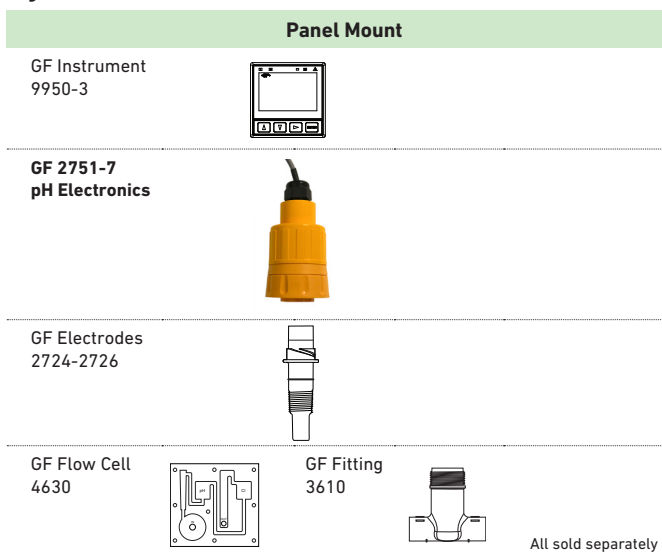


When used with the GF 9950-3 Chlorine Controller, the GF 2751-7 pH/ORP Smart Sensor Electronics featuring the DryLoc® connector is the solution for field-free calibration, broken glass and high impedance detection, alerting the operator to probe failure or maintenance needs.

The pH/ORP Smart Sensor Electronics will allow for calibration of electrodes in a laboratory setting and installation of pre-calibrated probes in the field, reducing system downtime. The data stream also includes important information regarding the performance and life span of the pH electrode. The 9950-3 Chlorine Controller provides the operator with a calculated slope of the electrode (electrode health) and can detect when the electrode requires cleaning.

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.

System Overview



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

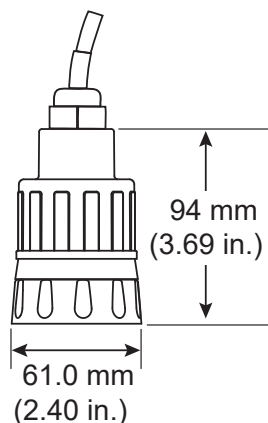
Residual Chlorine Monitoring:

- Water Distribution
- Ground Water
- Surface Water
- HVAC Applications (cooling water)
- Food and Beverage
- Swimming Pools
- Water Parks

Specifications

General		
Compatibility	DryLoc® pH and ORP Electrodes, 2724 and 2725	
Mounting	DryLoc® connection	
Materials	PC+PBT	
Cable	4.6 m (15 ft) 3 conductor shielded, 22 AWG	
Performance		
Electronics Accuracy	±0.02 pH @ 25 °C	
Operational Range	-1.0 to 15.0 pH	
Response Time	< 6 s for 95% of change (includes electrode response)	
Electrical		
Input Specifications		
Input Impedance	>10 ¹¹ Ω	
Temperature Drift	±0.002 pH per °C	
Input Resolution	0.02 pH, 0.3 °C	
Output Specifications		
Digital (S ³ L)	Serial ASCII, TTL level 9600 bps	
Maximum Cable Length	30 m (100 ft)	
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 with electrode connected	
Shipping Weight		
	0.64 kg	1.41 lb
Standards and Approvals		
	CE, FCC	
	RoHS compliant, China RoHS	
	Manufactured under ISO 9001, ISO 14001 and ISO 45001	

Dimensions



Ordering Information

Mfr. Part No.	Code	Description
3-2751-7	159 001 957	pH Electronics

3-2751-7.099 Rev A (02/21)

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3401 Aero Jet Avenue, El Monte, CA 91731-2882 U.S.A. • Tel. (626) 571-2770 • Fax (626) 573-2057 • www.gfsignet.com • e-mail: signet.ps@georgfischer.com

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