



The GF 2650 Amperometric Electronics provide the polarization voltage and signal conditioning required by all GF Amperometric Sensors. The 2650 Amperometric Electronics also relays important sensor information that is stored on a memory chip inside the sensor to be displayed on the 3-9950-X Chlorine Controller. Information includes factory calibration data, service life, calibration information and more.

The 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.

System Overview

Panel Mount

GF Model 9950-X Controller



GF Amperometric Electronics
2650-7

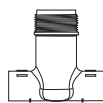
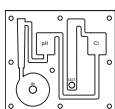


GF Electrode
2630-1
2630-2
2630-3
2632-1



All sold separately

GF Flow Cell
GF Fitting
3610



Features

- Provides polarization voltage and conditions the signal from the 2630 and 2632 electrodes
- Provides access to the Amperometric electrode's stored data for display on the 9950-X Chlorine Controller
- 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:

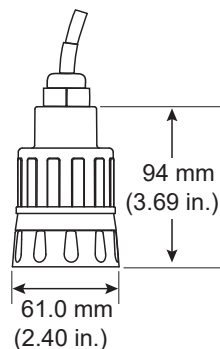
- Water Distribution
- Ground Water
- Surface Water
- HVAC Applications (cooling water)
- Food and Beverage
- Aquariums
- Water Parks

* NOTE: The 9950-X Chlorine Controller is not compatible with the standard 9950 controller.

Specifications

General		
Compatibility	All GF Amperometric DryLoc® Sensors	
	9950-X Chlorine Controller	
	All 4630 Chlorine panel assemblies	
Mounting	DryLoc® connection	
Materials	PC+PBT	
Cable	4.6 m (15 ft) 3 conductor shielded, 22 AWG	
Performance		
Electronics Accuracy	< 5 nA or 1% of reading, whichever is greater @ 25 °C over full input range	
Temperature	±1.0 °C (Pt1000) over full operation range (when calibrated at ambient temperature)	
Update Rate	500 ms	
Operational Range	±450 mV	
Resolution	0.1 nA	
Electrical		
Input Specifications		
Sensor	Raw signal	
Temperature	Pt1000 RTD	
Output Specifications		
Digital (S ³ L)	Serial ASCII, TTL level 9600 bps	
Maximum 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 (no electrode connected)	
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
3-2650-7	159 001 670	Amperometric Electronics

3-2650.099 Rev M (02/22)

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