

Signet 2759 pH/ORP System Tester



Description

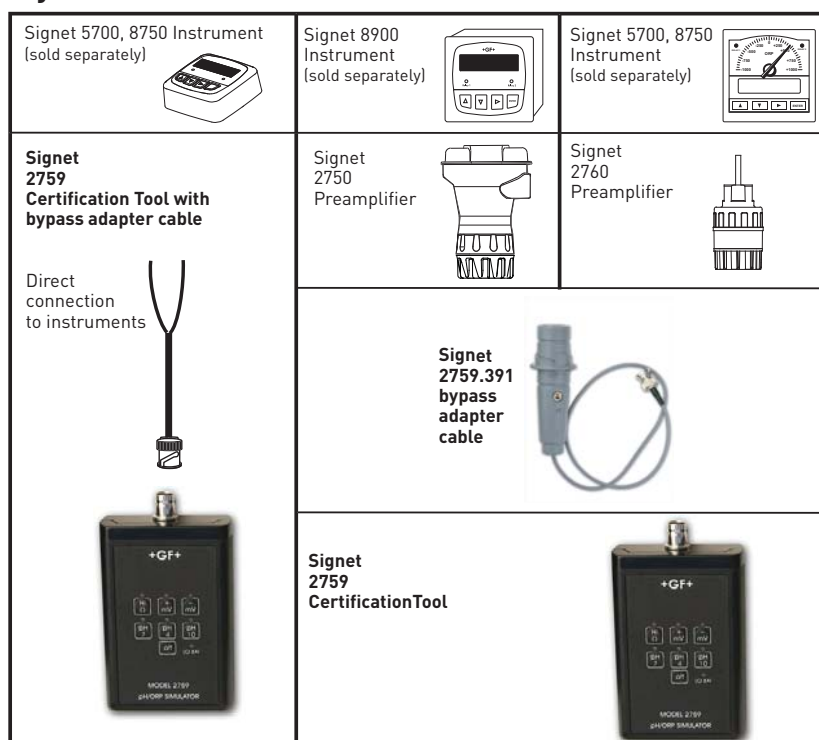
The Signet 2759 pH/ORP Simulator is a battery-powered millivolt generator that simulates pH values of 4, 7 and 10, plus ORP values of ± 700 mV. This device is useful as a troubleshooting aid and for general verification of system operation. It is not a substitute for periodic system calibration with pH buffers or test solutions.

Accessory adapter cables (sold separately) enable the 2759 to connect directly to Signet 2760 preamplifiers, or 2750 pH/ORP Sensor Electronics. The adapters include a selector switch for pH (3K or PT1000 Temperature Compensation) or ORP simulation. The switch triggers automatic sensor-recognition software in Signet pH/ORP instrumentation.

Features

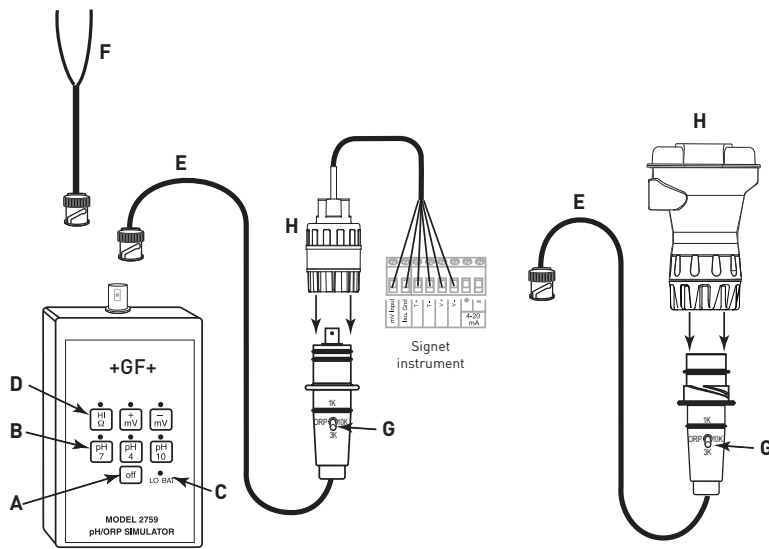
- Battery powered millivolt generator
- Simulates pH and ORP values
- High impedance input simulates preamplified signal
- Verifies system functionality
- Compatible with 2750 and 2760 preamplifiers
- Connects to any Signet pH/ORP instrument
- Verifies preamplifier or instrument electronics

System Overview



Features

- A) Power OFF Button
- B) Output simulation buttons and indicators. Simulate pH and ORP output at fixed values: pH 4, pH 7, pH 10, -700 mV and +700 mV. Pressing one of these buttons turns the 2759 on.
- C) Low battery indicator
- D) High Ω switch: Adds 1000 M Ω resistance in series with output. Simulates high impedance of pH electrodes. Used to verify proper preamplifier operation.
- E) Adapter cable: use PN 3-2759.391 for use with the 2750 or 2760.
- F) 3-2759.390: Bypass adapter cable (included with 2759) to connects directly to an instrument.
- G) Mode selector switch: Trigger automatic sensor recognition software in Signet pH/ORP instrumentation. the three-way toggle switch positions are:
 - Top = 1K for a Signet 8900 instrument needing PT1000 temperature compensation input.
 - Middle = 10K for ORP simulation.
 - Bottom = 3K for Signet 5700 and 8750 instruments needing a 3K temperature compensation input.
- H) 2750 Sensor Electronics
- I) 2760 Preamplifier



Ordering Information

Part Number		
3-2759	pH and ORP system tester; includes bypass cable 3-2759.390 for direct connection to Signet 5700 or 8750 instruments.	
↓	Additional Accessory Items - Optional	
	3-2759.391	For use with the Signet 2750 sensor electronics or the 2760 preamplifier
3-2759		Example Part Number
3-2759	Plus 3-2759.391	Example Part Number

Mfr. Part No.	Code	Description
3-2759	159 000 762	pH/ORP System Tester for all pH Instruments (includes bypass adapter cable)
3-2759.390	159 000 763	Bypass Adapter Cable for Signet 5700 and 8750 pH/ORP
3-2759.391	159 000 764	Adapter Cable for use with 2750 and 2760

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