



## 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

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  $\pm 700$  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.

System Overview	Signet Instruments 5700    8750 	Signet Instruments 8900    9900 with 2750 Sensor Electronics 	Signet Flow Instruments 5700    8750 with 2760 Preamplifier 	
	Signet 2759.390 bypass adapter cable Direct connection to instruments 	Signet 2759.391 bypass adapter cable 		
	Signet 2759 Certification Tool 			All sold separately

## 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 $\Omega$ switch

Adds 1000 M $\Omega$  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.

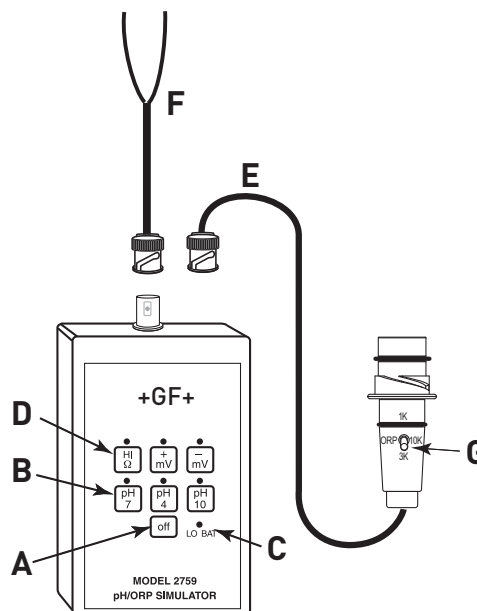
### F) 3-2759.390

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.



## Ordering Information

Mfr. Part No.	Code	Description
3-2759	<b>159 000 762</b>	pH/ORP System Tester Kit for all pH Instruments (includes bypass adapter cables)

## Accessories and Replacement Parts

Mfr. Part No.	Code	Description
3-2759.390	<b>159 000 763</b>	Bypass Adapter Cable for Signet 5700 and 8750 pH/ORP
3-2759.391	<b>159 000 764</b>	Adapter Cable for use with 2750 and 2760