Signet 2759 pH/ORP System Tester

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.

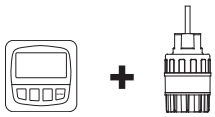
Accessory adapter cables (sold separately) enable the 2759 to connect directly to Signet 2760 preamplifiers, or 2750 pH/ORP Sensor Electronics. The adapters include a selector switch for pH (3K or PT1000 Temperature Compensation) or ORP simulation. The switch triggers automatic sensor recognition software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

Features

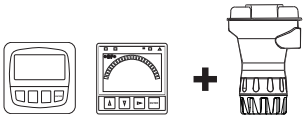
- **Battery powered millivolt generator**
- **Simulates pH and ORP values**
- **High impedance input simulates preamplified signal**
- **Verifies system functionality**
- **Compatible with 2750 and 2760 preamplifiers**
- **Connects to any Signet pH/ORP instrument**
- **Verifies preamplifier or instrument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

System Overview

Signet Flow Instruments
8750
with 2760 Preamplifier



Signet Instruments
8900 9900
with 2750 Sensor Electronics



Signet 2759.391 bypass adapter cable

Signet 2759 CertificationTool

All sold separately

Features

A) Power OFF Button

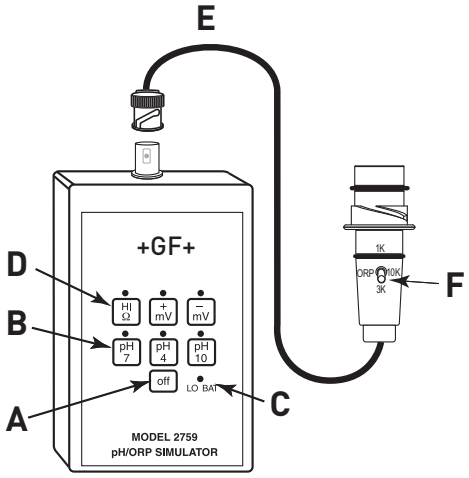
B) Output simulation buttons and indicators
Simulate pH and ORP output at fixed values: pH 4, pH 7, pH 10, -700 mV and +700 mV. Pressing one of these buttons turns the 2759 on.

C) Low battery indicator

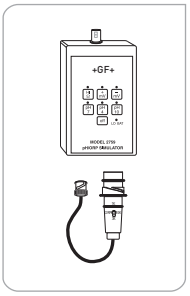
D) High Ω switch
Adds 1000 MΩ resistance in series with output. Simulates high impedance of pH electrodes. Used to verify proper preamplifier operation.

E) Adapter cable
Use PN 3-2759.391 for use with the 2750 or 2760.

F) 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 8750 instruments needing a 3K temperature compensation input.



Ordering Information



Mfr. Part No.	Code	Description
3-2759	**159 000 762**	pH/ORP System Tester Kit for all pH Instruments
3-2759.391	**159 000 764**	Adapter Cable for use with 2750 and 2760*

* required for use with the 3-2759 to test and evaluate 3-2750 and 3-2760 preamplifiers

3-2759.099 Rev C (5/13)
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