



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 2751 pH/ORP Smart 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 2751 and 2760 preamplifiers
- Connects to all Signet instruments
- Verifies preamplifier or instrument electronics

System Overview

Signet Instruments	Automation System
2751 Smart Sensor Electronics with - 8900 - 9900 and Rear Enclosure - 9950	2751 Smart Sensor Electronics with - 0486 Profibus Concentrator and Customer Supplied Programmable Logic Controller or - Programmable Automation Controller

**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 any 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.

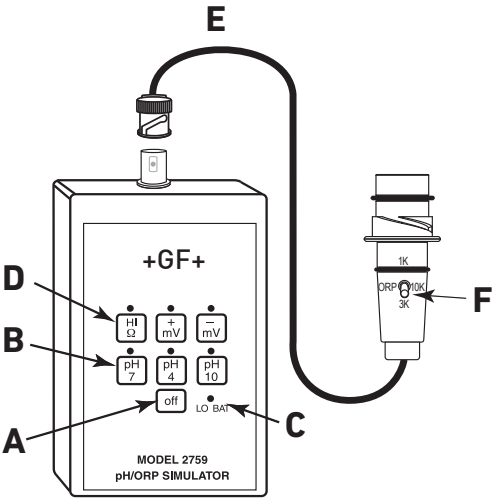
E) Adapter cable

Use PN 3-2759.391 for use with the 2751 or 2760.

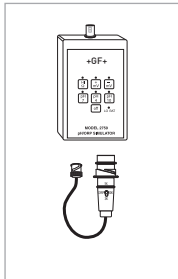
F) Mode selector switch

Trigger automatic sensor recognition software in Signet pH/ORP instrumentation. The three-way toggle switch positions are:

- Top = 1K for a Signet 8900/9900/9950 instrument or 2751 Smart Sensor Electronics. Compatible with Pt1000 or 3KΩ temperature element.
- Middle = 10K for ORP simulation.
- Bottom = 3K for older Signet instruments. Requires a 3KΩ 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 2751 and 2760*

* required for use with the 3-2759 to test and evaluate 3-2751 and 3-2760 preamplifiers