



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.

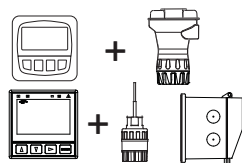
Accessory adapter cables (sold separately) enable the 2759 to connect directly to Signet 2760 preamplifiers, or 2751 pH/ORP Smart Sensor Electronics. The adapters include a selector switch for pH (3K or PT1000 Temperature Compensation) or ORP simulation. The switch triggers automatic sensor-recognition 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

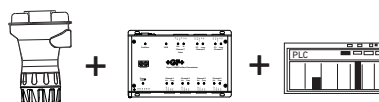
## System Overview

Signet Instruments  
8900 with 2751 Smart Sensor Electronics  
9900 with 2751 Smart Sensor Electronics and Rear Enclosure  
9950 with 2751 Smart Sensor Electronics



### Automation System

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.

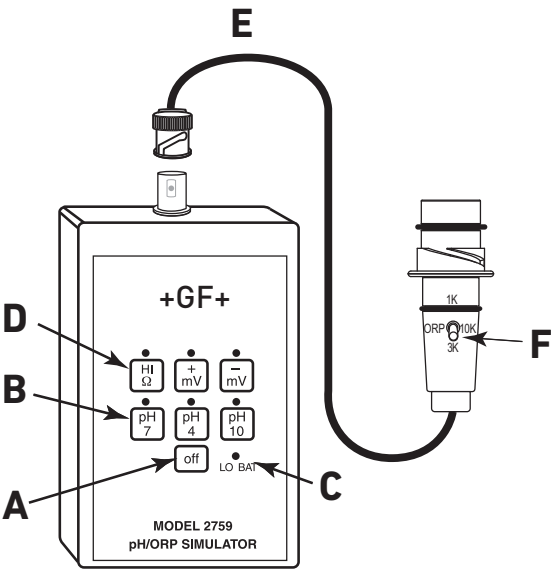
## E) Adapter cable

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

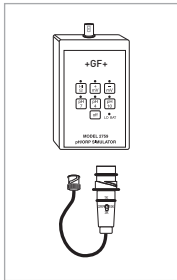
## F) Mode selector switch

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	<b>159 000 762</b>	pH/ORP System Tester Kit for all pH Instruments
3-2759.391	<b>159 000 764</b>	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