

Type 2759 pH/ORP System Tester



Product description

The type 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 cable (sold separately) enables the 2759 to connect directly to 2751 pH/ORP Smart Sensor Electronics. The adapters include a selector switch for pH or ORP simulation. The switch triggers automatic sensor-recognition software in GF pH/ORP instrumentation.

Features

- Battery powered millivolt generator
- Simulates pH and ORP values
- High impedance test signal
- Verifies system functionality
- Compatible with 2751
- Connects to all GF instruments
- Verifies sensor electronics

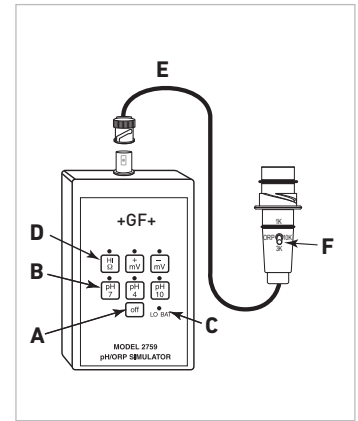
System Overview

| GF Instruments | Automation System |
|---|--|
| <p>2751 Smart Sensor Electronics with</p> <ul style="list-style-type: none"> - 9900 and Rear Enclosure - 9950  | <p>2751 Smart Sensor Electronics with</p> <ul style="list-style-type: none"> - 0486 Profibus Concentrator and Customer Supplied Programmable Logic Controller or - Programmable Automation Controller  |
| <p>Type 2759.391 Adapter Cable</p>  | |
| <p>Type 2759 pH/ORP System Tester</p>  | |

All sold separately

Overview

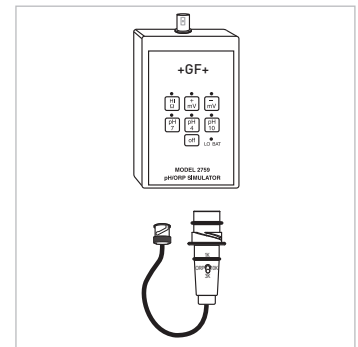
- A) **Power OFF button**
- B) **Output simulation buttons and indicators**
Simulate pH and ORP output at fixed values: pH 4, pH 7, pH 10, -700 mV and +700 mV. Pressing any one of these buttons turns the 2759 on.
- C) **Low battery indicator**
- D) **High Ω switch**
Adds 1000 M Ω resistance in series 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 2751.
- F) **Mode selector switch**
Trigger automatic sensor recognition software in GF pH/ORP instrumentation. The three-way toggle switch positions are:
 - Top = 1K for a type 9900/9950 instrument or 2751 Smart Sensor Electronics. Compatible with Pt1000 or 3K Ω temperature element.
 - Middle = 10K for ORP simulation.
 - Bottom = 3K for older GF instruments.



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* |

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



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