

HI 8512

# Panel Mounted ORP Analog Indicator

with Self-diagnostic Test



## SPECIFICATIONS

### HI 8512

Range	±1999 mV
Resolution	1 mV
Accuracy (@20°C/68°F)	±5 mV ±0.5% (input from transmitter)
Input	High impedance 10 <sup>12</sup> Ohm; Reference and Matching pin inputs are available; 4-20 mA
Power Output	±5 Vcc; 150 mA max load for amplified electrodes
Calibration	Offset: ±200 mV with CAL trimmer
Recorder Output	0-20 mA or 4-20 mA (isolated)
Backlight	Continuous ON
Power Supply	115 Vac ±10% or 230 Vac ±10%; 50/60 Hz
Enclosure	black anodized aluminum body; front panel with flame retardant ABS; transparent splash-proof front cover
Environment	-10 to 50°C (14 to 122°F); RH max 95% non-condensing
Panel Cutout	141 x 69 mm (5.6 x 2.7")
Weight	1 kg (2.2 lb.)

## ORDERING INFORMATION

The **HI 8512** is supplied complete with mounting brackets and instructions.

## SOLUTIONS

<b>HI 7020L</b>	200-275 mV test solution, 500 mL bottle
<b>HI 7091L</b>	Reducing solution, 500 mL bottle
<b>HI 7092L</b>	Oxidizing solution, 500 mL bottle

## ACCESSORIES

<b>HI 8427</b>	pH / ORP electrode simulator
<b>HI 931001</b>	pH / ORP electrode simulator with display HI 8512T only
<b>HI 8615-01</b>	ORP transmitter
<b>HI 8615L-01</b>	ORP transmitter with display

## ±1999 mV Range

HI 8512 ORP panel-mounted controllers are ideal for process control monitoring in a wide range of industrial applications.

These instruments have been designed for easy and fast installation, and are provided with membrane keypads on the front panel, large display and autodiagnostic functions.

Each model accepts either a direct input from an ORP electrode or from a transmitter through 4-20 mA input. The instrument also provides ±5V power output and input terminals for amplified electrodes.

Moreover, you can choose the output configuration for connecting a recorder or a PLC, between 0-20 or 4-20 mA.

The front panel is protected behind a transparent splash-proof cover.

## Inputs allowed:

- 1) BNC Connector
- 2) Direct wire connection with amplified probe (supports HI 1006 series probes)
- 3) 4-20 mA from a transmitter

- ORP range extension: ± 1999 mV
- BNC, amplified input and input from transmitter all in one instrument
- Supports potential matching pin connection
- Recorder output 0-20mA or 4-20mA user selectable
- ±5V outputs for amplified electrodes
- Backlit LCD
- Auto-diagnostic tests for electrode and instrument status
- Operational mode LED indicators
- Designed for easy installation
- Transparent splash-proof cover included