

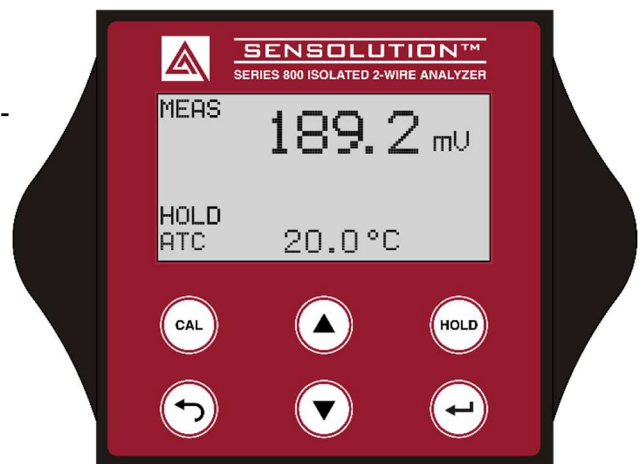
SENSOLUTION™ pH800

2-wire pH/ISE/ORP Analyser

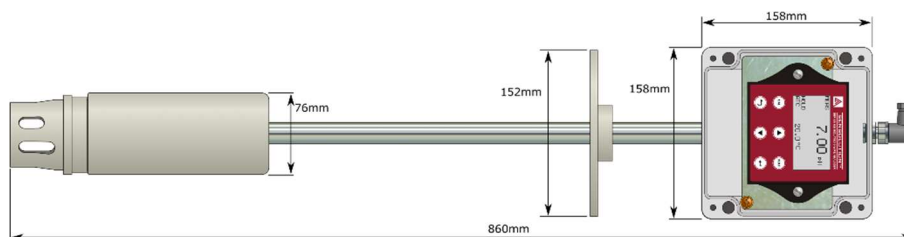
The pH800 is a microprocessor controlled, loop powered isolated pH analyser with all power being supplied from the two-wire current loop connection. Isolation enables the probe to be at a potential relative to ground without affecting the integrity of the measurement. The two-wire connection eliminates the requirement of a separate supply in addition to the loop supply voltage.

Features

- Temperature-compensated pH, ISE or ORP measurement.
- Two-wire field mounted analyser – suitable for multiple-loop installations with a central controller.
- Local display of pH/ORP/ISE and temperature – suitable for use as a stand-alone pH monitor.
- Isolated 4-20mA signal.
- Simple pushbutton operation.
- Tough IP65 die-cast Aluminium enclosure (optional).
- Push terminals for easy installation and maintenance.
- Tool-free operation – no dip-switches or potentiometers.
- Suitable for masthead mounting (as pictured) or wall mounting.

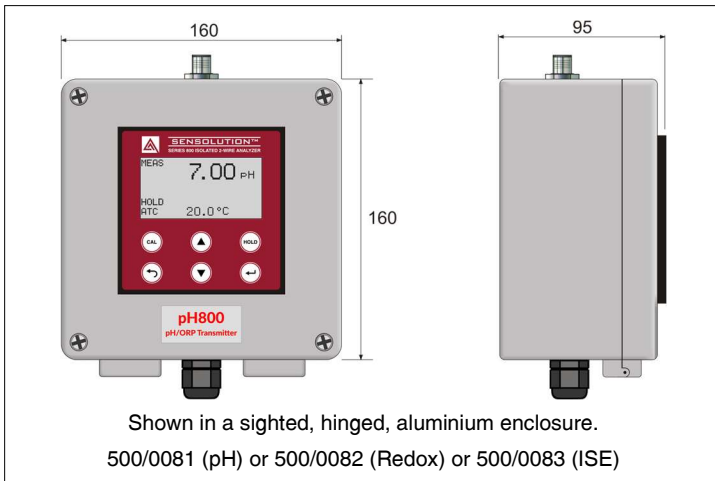


The pH800 two-wire field mounted analysers, with the appropriate sensors, are designed to continuously measure the pH, ORP or electrode potential (mV) in industrial processes. The pH800 analysers include all the circuitry necessary for the measurement and transmission of an isolated 4-20mA linear signal. All the analyser's functions are accessible through the pushbutton interface – there are no potentiometers or dip-switches. Two-point calibration of the signal is accomplished using the standard calibration routine. The pH800 can also temperature compensate pH and ISE readings using a 100Ω TC element.



pH800 analyser shown in a
SENSOLUTION™ Model 762 pH Probe Assembly

Dimensions



Specifications

pH	Range	0.00pH to 14.00pH
	Resolution	0.01pH
	Accuracy	±0.01pH
Temperature	Range	-10.0°C to 110.0°C
	Resolution	0.1°C
	Accuracy	±0.5°C
Millivolt	Range	-1000mV to 1000mV
	Resolution	1mV
	Accuracy	±2mV
Temperature Compensation		Auto (Pt100) / Manual (from 0°C to 100°C)
Number of Calibration Points		2
Calibration Buffers		4.01, 7.00, 10.01
Inputs		Asymmetrical / Symmetrical
Outputs		4.0mA to 20.0mA
Out-of-Range Current Output	Under-Range	3.8mA / 4mA (selectable)
	Over-Range	3.8mA / 20mA (selectable)
Hold Current Output		22mA / Last measured value (selectable)
Display		Custom Dual LCD
Power Requirements		12V to 24V dc
Load Resistance		600Ω Max

Ordering Information

500/0080	pH800 isolated 2-wire pH analyser (bare)
500/0081	Sensolution pH800 isolated 2-wire pH/ISE analyser. Sighted, Hinged AI box. M12
500/0082	Sensolution pH800 isolated 2-wire Redox analyser. Sighted, Hinged AI box. M12, 2.5m cable



Model 762 Probe Assembly

The Astles Model 762 Probe Assembly is a complete sensing and analysing unit that come in two main versions: pH probe assembly or Fluoride probe assembly. The pH probe assembly is shown on the first page.

Ordering Information

500/0034 Complete pH probe assembly: pH800, 762 holder, electrodes and 40cm wand

500/0060 Complete Fluoride probe assembly: pH800, 762 holder, electrodes and 40cm wand

