



Standard Specifications

Part Number	MPL001
Size	7.6W x 3.8H x 3.0D inches 19.3W x 9.7H x 7.6D cm
Panel Cutout	6.85W x 3.07H inches
Display	Backlit liquid crystal, 4 lines x 20 characters, adjustable contrast
Character height	0.2 inch (0.52 cm)
System keys	19, including 9 dual-function keys
Front panel rating	NEMA 4/12
Backup battery	3 volt lithium, user-replaceable
Operating Temperature	0°C to +50°C (32°F to 122°F)
Storage Temperature	-20°C to +60°C (-4°F to 140°F)
Humidity Range	5 to 95% RH, non-condensing
Data port	RS-485 serial
Communication Protocol	Modbus RTU
Interconnection Wiring	3 wires, shielded
One-way Line Length	4,000 feet (2,200 meters) max.
Input Voltage	18 to 30 VDC, 10 Watts nominal

Standards Conformance:

UL approved to US and Canadian Standards.

CE marked. Conforms to EN50081-2 and EN50082-2

Design

The Operator Interface (part number MPL001) is a panel-mounted, multi-page display that allows an operator to view and access remote analyzers from a central location.

The operator can view the Reading, Status and Registers of each analyzer. Information is presented in easy-to-read formats on the 4-line, backlit liquid crystal display.

It is also possible to acknowledge and reset alarms, initiate calibration tests, and adjust the settings of each analyzer through the Operator Interface.

Capability

Up to four (4) of SNR650, SNR671, SNR672, SNR674, SNR675 or SNR690 analyzers may be connected to a single Operator Interface using a single, daisy-chained cable.

The Operator Interface can also be used with SmartMaxII controllers serving up to four (4) catalytic or electrochemical sensors.

Construction

The Operator Interface is housed in a metal enclosure with a flexible membrane front panel. The front panel is rated for use in NEMA 4/12 areas. Tactile function switches are rated for more than three million operations. Remote analyzers connect to the Operator Interface through a D-sub 15 pin connector (supplied). Internal 128K memory is backed by a user-replaceable DL2430 Lithium battery. A low battery indicator is located on the front panel.

Factory Tested as a Complete System

When purchased with Control Instruments analyzers or sensors, the Operator Interface is factory-set and tested prior to shipment.