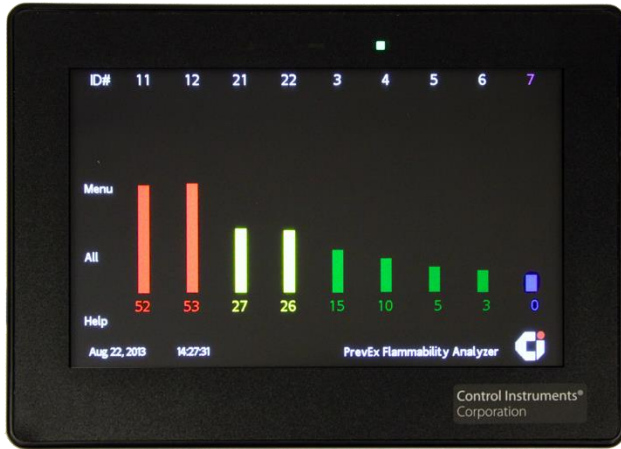25 Law Drive STE1, Fairfield, NJ 07004-3295 USA
T: 973-575-9114 · F: 973-575-0013
E: sales@controlinstruments.com
www.controlinstruments.com

Multi-Channel Operator Interface

Design
The Operator Interface (part # HMI004) is a panel-mounted, touch-sensitive, multi-page display. It allows an operator to view and access up to 9 remote analyzers from a central location.

The operator can view the Reading, Status and other registers of each analyzer. Information is presented in easy-to-read formats on a color display.

It is possible to acknowledge and reset alarms and, through password protection, initiate calibrations and read and adjust the settings of each analyzer.

Through the Ethernet connection alarm emails can be sent and browser access is available.

Specifications

Part Number	HMI004
Size	5.43 H x 7.63 W x 2.0 D inches (138 H x 194 W x 51 D mm)
Panel Cutout	4.87 H x 7.06 W inches (123.7 H x 179.3 W mm)
Power Requirements	24 VDC± 20%, 9W typical, 12.5W maximum
Weight	2 lbs (0.9 kg)
Display	7 inch (17.8cm), TFT Touch-sensitive, backlit LCD
Front panel rating	Class 1, Div 2, Groups A, B, C, D NEMA 4X/IP 66 (front panel bezel only) Indoor use only
Operating Temperature	-10°C to +50°C (14°F to 122°F)
Storage Temperature	-20°C to +70°C (-4°F to 158°F)
Humidity Range	0 to 85% RH, non-condensing
Connectivity	
Analyzer:	Modbus RTU, RS485 half-duplex, 3 conductor shielded cable
Ethernet:	10 Base T/100 Base -TX RJ45 (Network Interface Card) Modbus TCP/IP Host web pages

Capability
Up to nine PrevEx analyzers may be connected to a single Operator Interface using a single, daisy-chained cable. It can be used as a stand-alone product or part of an integrated system. It provides Ethernet connectivity, which can be connected to a PLC or a facilities network for more advanced operations. Users can enter data and access commands through the touchscreen.

Construction
The Operator Interface is housed in an open frame metal enclosure with a NEMA 4X/IP66 aluminum front panel. Remote analyzers connect to the Operator Interface through an RJ45 cable to terminal block connector tail (supplied).

Factory Tested as a Complete System
When purchased with Control Instruments analyzers, the Operator Interface is factory-set and tested prior to shipment.

Approvals
UL approved to US and Canadian standards.
CE approved toEN61326-1 Immunity to Industrial Locations.