Operator Interface

The Operator Interface, part number MPL008, allows the operator to view, access, and control multiple remote analyzers from a convenient, central location. It is a panel-mounted, multi-page interface device, with touch-sensitive graphics for easy operation. It allows an operator to acknowledge and reset alarms, and through password protection, calibrate, read and adjust the settings of each analyzer. The information is presented in easy-to-read formats on a backlit liquid crystal display, measuring 5.6 inches diagonally. Up to 8 PrevEx Flammability Analyzers can be connected to the Operator Interface, using a single daisy-chained data cable, located up to 4,000 feet from the device. When purchased with Control Instruments' analyzers, the Operator Interface is factory-programmed and tested before shipment.

Information is presented on a series of pages, a Home Page and subsequent detail pages for each analyzer. Each page contains a Help button that describes the information on that page as well as navigation options.

Home Page

Displays the status of up to eight analyzers. Each channel shows:

➤ Analyzer ID number, set by user
➤ Numeric reading
➤ Vertical value bar graph with oval function button below
➤ Status messages

Press **ALL** to display the Master Commands Page. This page sends commands to *all* the analyzers connected to this device, simultaneously.
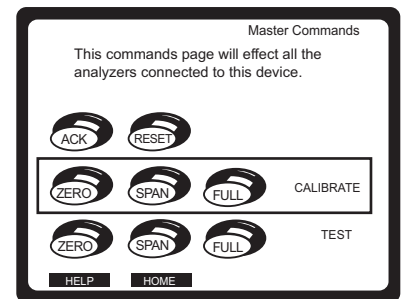
Press ⬬ below the bargraph to display the Commands Page for *one* analyzer at a tme.
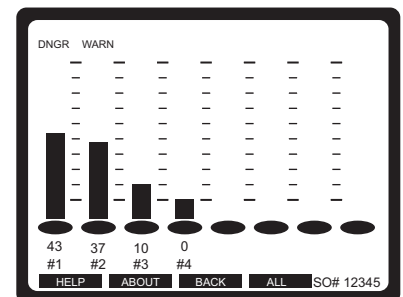
Master Commands Page

This page contains the following Command buttons:

➤ Press **ACK** to acknowledge an alarm.
➤ Press **RESET** to reset an alarm.
➤ Press one of the **ZERO** **SPAN** **FULL** functions to activate calibrations or tests. They are password protected.

Commands Page

This page contains the following analyzer information:

➤ Analyzer ID number, set by the user
➤ Analyzer's current reading and status
➤ Press **ACK** to acknowledge an alarm.
➤ Press **RESET** to reset an alarm.
➤ Press one of the **ZERO** **SPAN** **FULL** functions to activate calibrations or tests. They are password protected.
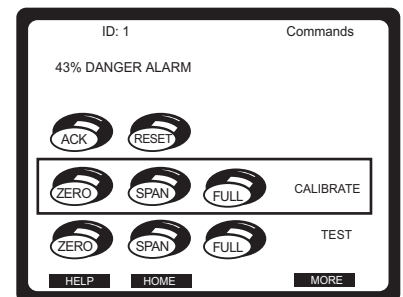
Press **MORE** to show the Analyzer View Page.

Analyzer View Page

This page is a real-time image of the control panel. It contains:

➢ Analyzer ID number, set by user
➢ The analyzer's electronics as viewed through the window of the analyzer's cover
➢ Activation of Menu and Select functions are password protected.

Press MORE to show the Trend Page.


```
ID: 1                          Analyzer View

  43 % LFL    F D W H Z S I HT
              □ ● ● □ □ □ □ □

     Activate Menu
     and Select

  HELP      HOME      BACK      MORE
```

Trend Page

This page contains the following analyzer information:

➢ Analyzer ID number
➢ The most recent 30 seconds, updated once per second, starting when the page is first displayed
➢ The last 15 minutes of history updated every 10 seconds
➢ The last 2 hours of history updated once a minute
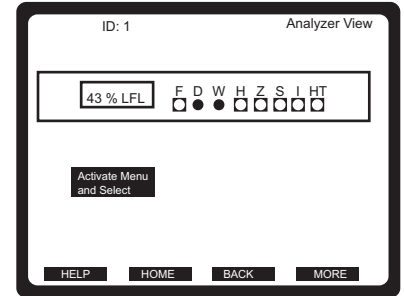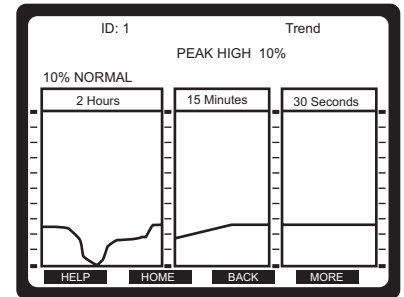
Press MORE to show the remaining detail pages.


```
ID: 1                    Trend
           PEAK HIGH 10%
10% NORMAL
  2 Hours   15 Minutes   30 Seconds

  HELP    HOME    BACK    MORE
```

Detail Pages

Other pages show the current function or values assigned to each register for each individual analyzer. These values can be changed using the Analyzer View Page described earlier. Navigation between detail pages is performed using the MORE and BACK buttons.


```
ID: 1                 Gauges

  43% DANGER ALARM

  Peak High    45 %LFL
  Peak Low     0  %LFL
  HSG Temp     120 C
  Set Temp     120 C
  Flow         2.83 LPM
  Low Flow     1.41 LPM
  Flame        589 C

  HELP    HOME    BACK    MORE
```

```
ID: 1                 Calibration

  43% DANGER ALARM

  Raw Zero     501 C
  Raw Span     131 C
  CAL Time     1 Min
  CAL Rdng     64 %LFL
  Span ºC      131 C
  Linear       40 %LFL
  Speed        Med
  CAL Lock     Unlocked

  HELP    HOME    BACK    MORE
```

```
ID: 1                 Alarms

  0%  NORMAL
  Warning      30 %LFL
  Danger       40 % LFL
  Rate         ON
  Latches      FDW
  FailSafe     FDW
  Auto Ign     0
  Version      VER 5-04
  Type         SNR672
  Serial #     04-123
  Language     ENGLISH

  HELP    HOME    BACK    MORE
```

```
ID: 1                 Outputs

  43% DANGER ALARM

  RLY Test     ----------
  mA Test      4.0 mA
  mA Scale     0 %LFL
  4mA ADJ      0.2 mA
  20mA ADJ     -0.1 mA
  mA CAL       22.1 mA
  mA Fault     21.0 mA
  Control 1    Reset
  Control 2    Acknowledge
  RLY CNFG     Horn

  HELP    HOME    BACK    MORE
```

```
ID: 1                 Communications

  16%  NORMAL

  Set Baud     19200
  Baud Rate    19200
  Auto Baud    ON
  Address      1
* ID NBR       1

  HELP    HOME    BACK
```

Operator Interface