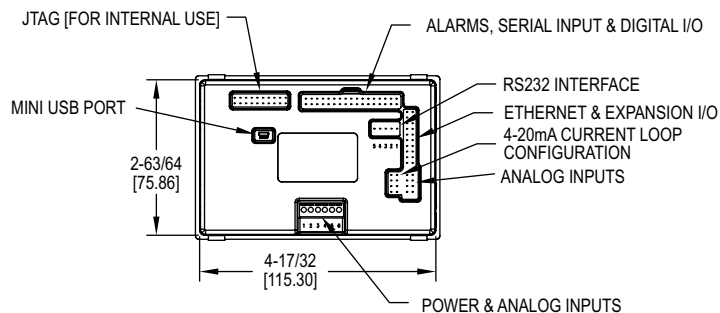
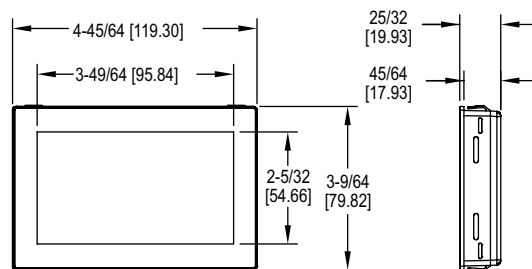


# GRAPHICAL USER INTERFACE PANEL METER

4.3" (109 mm) Touch Screen Display, Fully Customizable



The **Series SPPM2 Graphical User Interface Panel Meter** is a configurable, full-color 4.3" (109 mm) touch screen display that can be used in a variety of applications. By using the free Windows® based Interface Panel Design Studio software, users can personalize the display with buttons, switches, and analog and digital scales to suit their needs. A development kit is also available, which includes a development board with buttons, dials, LEDs, and screw terminals to test the functionality of all inputs and outputs.

## BENEFITS/FEATURES

- Large 4.3" touch screen display can be powered from USB or 5-30 VDC supply
- Free design software allows users to drag and drop elements onto the screen to quickly develop their specific interface
- Accepts up to 4 analog inputs, 8 digital I/O, 4 PWM outputs, and 2 open collector alarm outputs

## APPLICATIONS

- Lift station pump control
- Room condition monitoring display
- Walk-in refrigeration/freezer control

## MODEL CHART

| Model      | Description                                 |
|------------|---------------------------------------------|
| SPPM2-43   | 4.3" interface panel                        |
| SPPM2-43-D | 4.3" interface panel with development board |

## SPECIFICATIONS

**Inputs:** Mini-USB, 6-line screw terminal analog, 4 x  $\pm 40$  V, or 4-20 mA, 8 x digital I/O.

**Outputs:** 4 x PWM, 2 x alarms (open collector).

**Accuracy:**  $\pm 0.05\%$   $\pm 0.1$  mV (typ).

**Resolution:** 0.04 mV (max) or 4 decimal places.

**Power Supply:** USB port or 5-30 VDC.

**Current Consumption:** 400 mA at 5 VDC.

**Display:** 4.3" (10.9 cm) TFT LCD with 262k colors.

**Display Resolution:** 480 x 272 pixels.

**Sampling Rate:** 10 samples/s.

**Temperature Limits:** 32 to 104°F (0 to 40°C).

**Warm Up:** 15 s.

**Mounting:** Panel mount.

**Electrical Connection:** Multi-pin DIL's, 1 mini-USB, and 1 RS232.

**Software Requirements:** Compatible with Windows® 7, Windows® 8 and Windows® 10.

**Weight:** 6.7 oz (181 g).

**Approvals:** CE.

## DEVELOPMENT BOARD SPECIFICATIONS

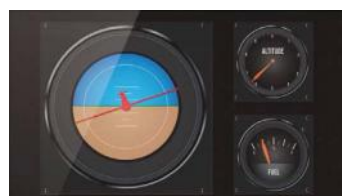
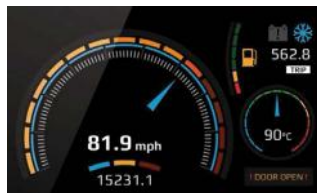
**Inputs:** 4 x  $\pm 5$  VDC.

**Outputs:** 8 x digital I/O's, 4 x PWM outputs.

**Serial Communication:** RS232.

**Power Supply:** USB port or 5-30 VDC.

**Weight:** 19.7 oz (560 g).



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