

SERIES SPPM2 | GRAPHICAL USER INTERFACE PANEL METER

FEATURES/BENEFITS

- Large 4.3" touch screen display can be powered from USB or 5 to 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



DESCRIPTION

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.

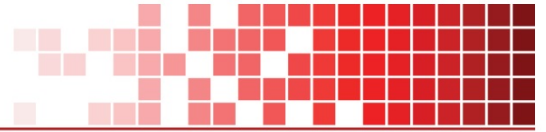
DISPLAY SPECIFICATIONS

Inputs	Mini-USB, 6-line screw terminal analog, 4 x ± 40 V, or 4 to 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 to 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 sec.
Mounting	Panel mount.
Electrical Connections	Multi-pin DIL's, 1 mini-USB, and 1 RS232.
Software Requirements	Compatible with Windows® XP, Windows Vista®, Windows®7, and Windows® 8.
Weight	6.7 oz (181 g).
Agency Approvals	CE.

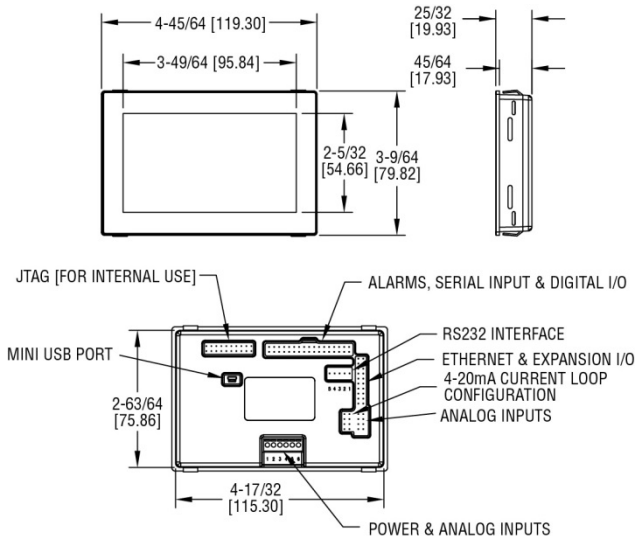
DEVELOPMENT BOARD SPECIFICATIONS

Inputs	4 x ± 5 VDC.
Outputs	8 x digital I/O, 4 x PWM.
Serial Communications	RS232.
Power Supply	USB port or 5 to 30 VDC.
Weight	19.7 oz (560 g).

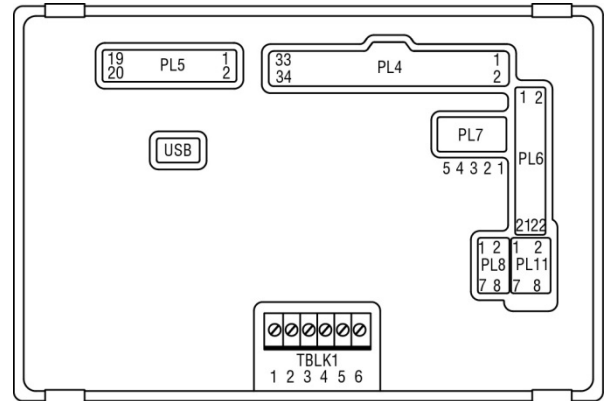




DIMENSIONS



WIRING DIAGRAM



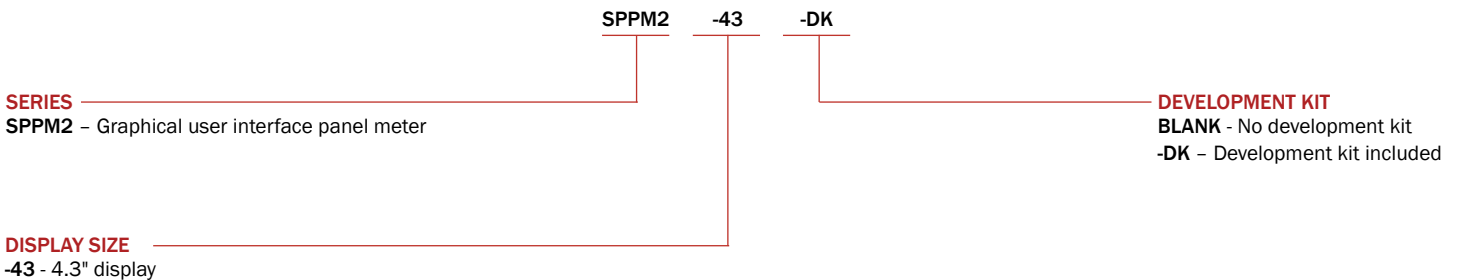
TBLK1: POWER & ANALOG INPUTS*

PIN Number	Function
1	Supply Voltage: V+
2	0 V
3	Analog Input 4 (IN4)
4	Analog Input 3 (IN3)
5	Analog Input 2 (IN2)
6	Analog Input 1 (IN1)

*Input information for PL4, PL5, PL6, PL7, PL8, and PL11 can be found in bulletin PC-SPPM2.

HOW TO ORDER

Use the **bold** characters from the chart below to construct a product code



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