Dwyer

SERIES SPPM2

CE

GRAPHICAL USER INTERFACE PANEL METER

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

VIDEO ONLINE

4-45/64 [119.30]
3-49/64 [95.84]
25/32 [19.93]
45/64 [17.93]
2-5/32 [54.66]
3-9/64 [79.82]

JTAG [FOR INTERNAL USE]
MINI USB PORT
2-63/64 [75.86]
4-17/32 [115.30]

ALARMS, SERIAL INPUT & DIGITAL I/O
RS232 INTERFACE
ETHERNET & EXPANSION I/O
4-20mA CURRENT LOOP CONFIGURATION
ANALOG INPUTS
POWER & ANALOG INPUTS
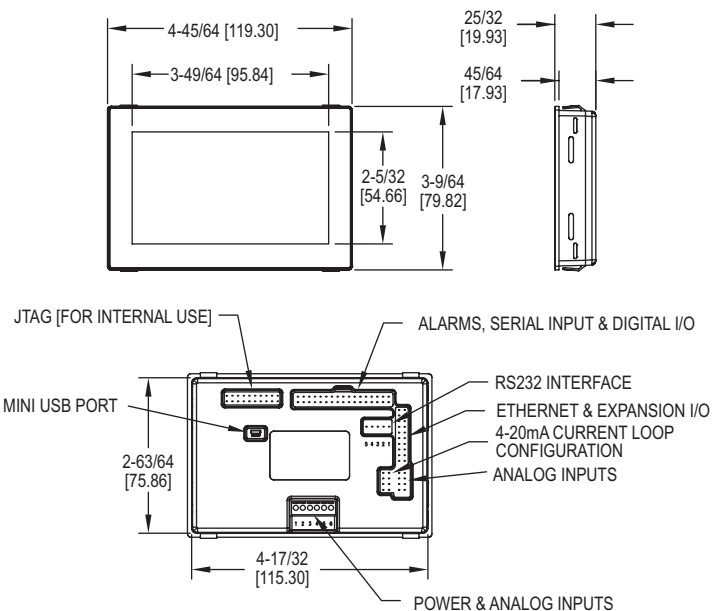
The **Series SPPM2 Graphical User Interface Panel Meter** is a configurable, full-color 4.3″ (109 mm) touch screen display that can be used in a variety of applications. By using the free Windows® based Interface Panel Design Studio software, users can personalize the display with buttons, switches, 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.

FEATURES/BENEFITS
• 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

SPECIFICATIONS
Inputs: Mini-USB, 6-line screw terminal analog, 4 x ±40 V, or 4-20 mA, 8 x digital I/O.
Outputs: 4 x PWM, 2 x alarms (open collector).
Accuracy: ±0.05% ±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).
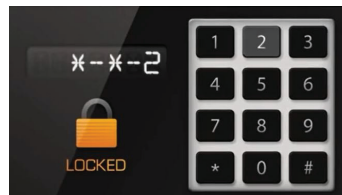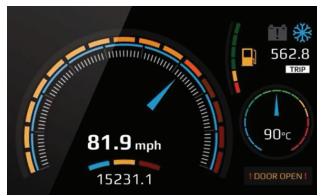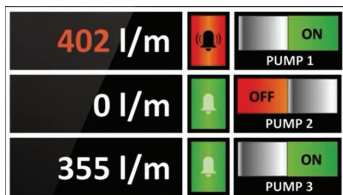**Approvals:** CE.

DEVELOPMENT BOARD SPECIFICATIONS
Inputs: 4 x ±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).

MODEL CHART	
Model	**Description**
SPPM2-43	4.3″ interface panel
SPPM2-43-D	4.3″ interface panel with development board

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