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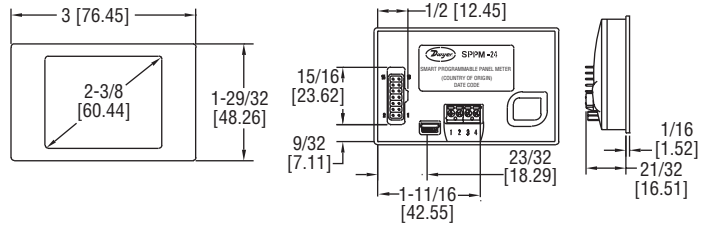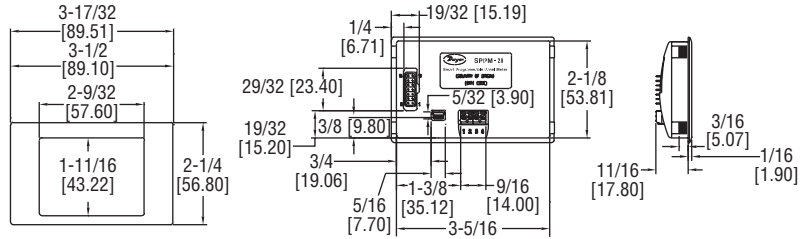# SMART PROGRAMMABLE PANEL METER
Fully Field Configurable, 16-Bit Color Touch Screen Display

SPPM-24 and SPPM-24-C

SPPM-28 and SPPM-28-C

SPPM-35 and SPPM-35-C

SPPM-HSG

Panel Meters/ Indicators

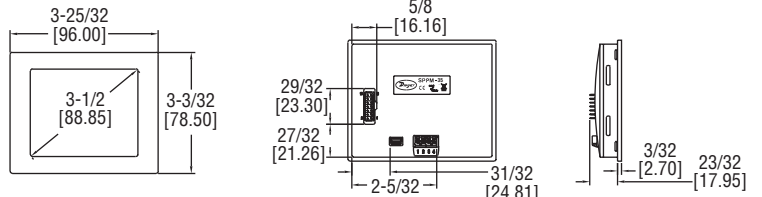The **SERIES SPPM** Smart Programmable Panel Meter is a configurable full-color touch screen display that can be used in a variety of applications. By using a USB connection, the panel meter can be configured with downloadable software for any computer running Windows® based software. The display features remarkable graphics that can easily be customized to read and/or graph pressure, temperature, humidity, gas concentration, or many other parameters.

FEATURES/BENEFITS
• Available with 2.4″, 2.8″, or 3.5″ color touch screen display
• Free downloadable Windows® software allows the unit to be customized to specific applications

APPLICATIONS
• Tank level
• Power monitoring
• Room pressurization condition
• Indoor air quality conditions

SAMPLE PROGRAMMABLE DISPLAY CONFIGURATIONS

SPECIFICATIONS

SPPM SPECIFICATIONS
Inputs: Current: 0 to 50 mA, scalable (factory set from 4 to 20 mA); Voltage: 0 to 40 VDC, scalable (factory set from 0 to 10 V).
Accuracy: 0.1%.
Resolution: 0.3 to 9.8 mV (depending on input range).
Power Supply: 4 to 30 VDC max or via USB.
Current Consumption: 190 mA max.
Display: 2.4″, 2.8″ or 3.5″ TFT full color touch screen.
Display Resolution: 320 x 240 pixels.
Sampling Rate: 3 samples/s.
Temperature Limits: 32 to 104°F (0 to 40°C).
Warm Up: 30 s.
Mounting: Panel mount.
Electrical Connection: Screw terminals, pin connection, or USB.
Software Requirements: Compatible with Windows® XP, Windows® 2000, Windows® 7 and Windows Vista®.
Weight: 2.8 oz (79.4 g).
Agency Approvals: CE.

SPPM-HSG SPECIFICATIONS
Service: Indoor or outdoor.
Material: Painted aluminum or glass.
Enclosure Rating: NEMA 4X (IP66).

A-SPPM-TC SPECIFICATIONS
Probe Measurement Range:
K-type: -328 to 2462°F (-200 to 1350°C);
J-type: -328 to 2174°F (-200 to 1190°C);
T-type: -328 to 734°F (-200 to 390°C).
Temperature Limits: 14 to 104°F (-10 to 40°C).
Resolution: 1.0°F (0.5°C).
Power Requirements: Powered by USB port through SPPM panel meter.
Accuracy: ±2.0°F (±1.0°C).
Weight: 0.9 oz (25.5 g).
Agency Approvals: RoHS.

MODEL CHART

Model	Display	Input
SPPM-24	2.4″	Voltage
SPPM-28	2.8″	Voltage
SPPM-35	3.5″	Voltage
SPPM-24-C	2.4″	Current
SPPM-28-C	2.8″	Current
SPPM-35-C	3.5″	Current

ACCESSORIES

Model	Description
A-SPPM-TC	Thermocouple input board
SPPM-CA	Mini USB to full USB cable
SPPM-HSG24	2.4″ display housing
SPPM-HSG28	2.8″ display housing
Note: Additional configurations available via online software.	

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