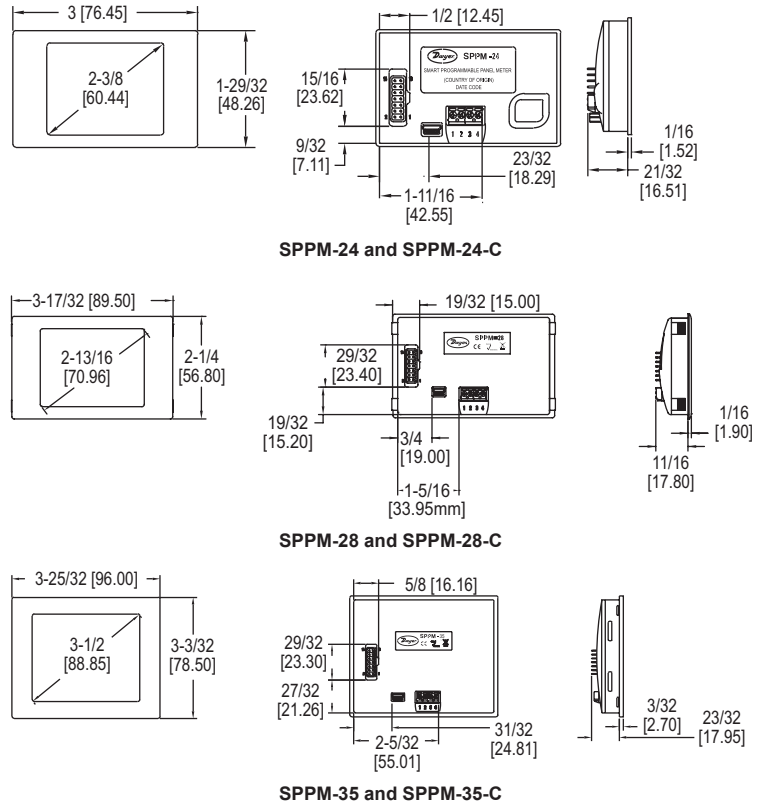


# SMART PROGRAMMABLE PANEL METERS

Fully Field Configurable, 16-Bit Color Touch Screen Display



The **Series SPPM Smart Programmable Panel Meters** are configurable full-color touch screen displays 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.

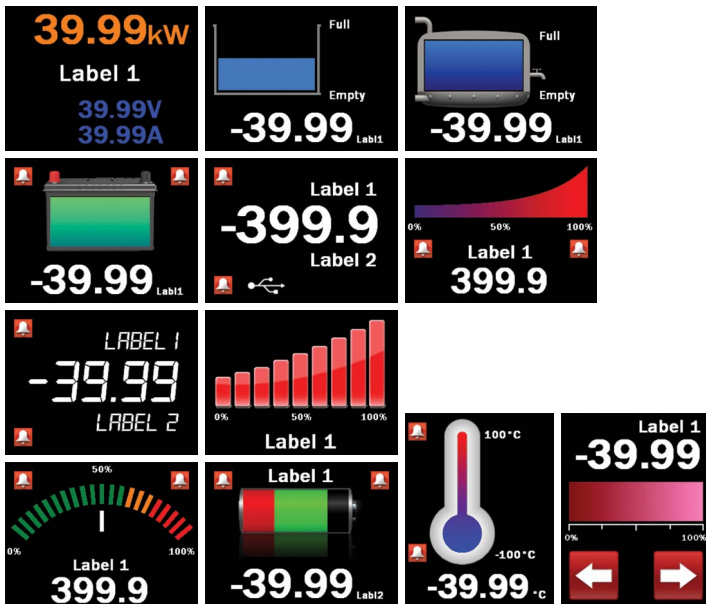
**FEATURES/BENEFITS**

- 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.  
**Computer Requirements:** Compatible with Windows® 7, Windows® 8 and Windows® 10.  
**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:** CE.

**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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Panel Meters/  
Indicators