

## LCD DIGITAL PANEL METERS

3-1/2 &amp; 4-1/2 Digit LCD, User Selectable Engineering Units, Panel Mount



DPMA



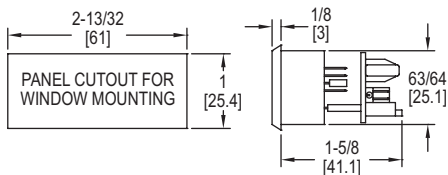
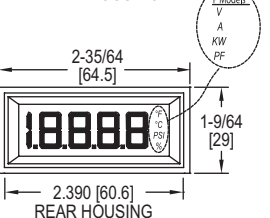
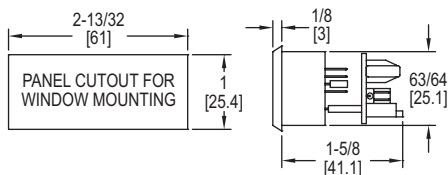
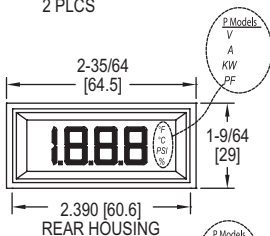
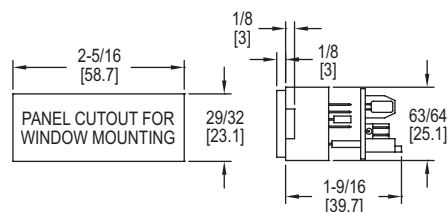
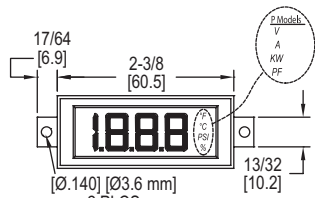
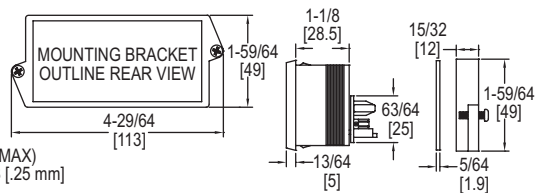
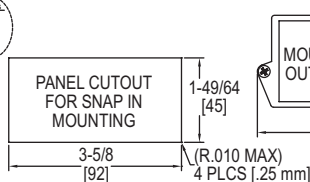
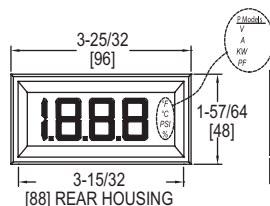
DPMW



DPMP



DPML



The Series DPMA, DPMW, DPMP, & DPML LCD Digital Panel Meters provide easy viewing on the 3-1/2 or 4-1/2 digit LCD display. On the DPMP and DPML the snap-in bezel mount eliminates mounting hardware for quick installation. The DPMA has a high contrast display for easy viewing in a standard 1/8 DIN package. The DPMW window mounts using two screws to sit flush within the panel cutout. This series can accept 4 to 20 mA, 0 to 200 mVDC, 0 to 5 VDC, or 0 to 10 VDC input signal and requires a 24 VDC power supply to illuminate the colored segments.

## FEATURES/BENEFITS

- Panel mount for quick installation
- 3-1/2 or 4-1/2 digit with 0.45" or 1" segments
- Colored segments available in black, red, amber, green, or blue
- Jumper selectable engineering units and decimal point positions

## APPLICATIONS

- Display process values from pressure, humidity, temperature, voltage, current, watt, or power factor transmitters

## ACCESSORIES

| Model   | Description                              |
|---------|------------------------------------------|
| DPM-12P | Regulated 120 VAC to 12 VDC power supply |
| DPM-24P | Regulated 120 VAC to 24 VDC power supply |

## SPECIFICATIONS

**Input:** DPMX-4XX(P): 4 to 20 mA; DPMX-5XX(P): 0 to 200 mVDC, 0 to 5 VDC, or 0 to 10 VDC.  
**Input Impedance:** DPMX-4XX(P): 300Ω nominal; DPMX-5XX(P): 390Ω nominal.  
**Accuracy:** DPMA:  $\pm(0.05\% \text{ FS} + 1 \text{ count})$ ; DPMW/P/L:  $\pm(0.1\% \text{ FS} + 2 \text{ count})$ .  
**Power Supply:** DPMX-4XX(P): Powered by control loop; DPMX-5XX(P): 12 VDC or 24 VDC.  
**Backlight Power Supply:** 24 VDC @ 35 mA typical.  
**Span and Zero:** Adjustable ( $\pm 1999$  counts).  
**Display:** DPMA: 3-1/2 digits, 7 segments, 1" (25.4 mm) H; DPMP/W: 3-1/2 digits, 7 segments, 0.45" (11.4 mm) H; DPML: 4-1/2 digits, 7 segments, 0.45" (11.4 mm) H.

**Decimal Points:** DPMA/W/P: 3-position, user selectable; DPML: 4-position, user selectable.  
**Polarity:** Automatic, "-" displayed.  
**Operating Temperature:** 32 to 122°F (0 to 50°C).  
**Storage Temperature:** -4 to 158°F (-20 to 70°C).  
**Mounting:** DPMA: Snap-in panel mount or clamp (gasket included); DPMW: Window mount; DPMP/L: Snap-in bezel mount.  
**Connection:** Screw terminals.  
**Conversion Rate:** 3 per s.  
**Warm-Up:** 10 minutes typical.  
**Weight:** DPMA: 4 oz (113.4 g); DPMW/P/L: 2 oz (56.7 g).

## MODEL CHART

| Model     | Input   | Segments | Engineering Units | Digit  | Model      | Input   | Segments | Engineering Units | Digit  |
|-----------|---------|----------|-------------------|--------|------------|---------|----------|-------------------|--------|
| DPMA-401  | Current | Amber    | °F, °C, %, psi    | 3-1/2" | DPMW-401P  | Current | Amber    | V, A, KW, PF      | 3-1/2" |
| DPMA-402  | Current | Red      | °F, °C, %, psi    | 3-1/2" | DPMW-402P  | Current | Green    | V, A, KW, PF      | 3-1/2" |
| DPMA-404  | Current | Green    | °F, °C, %, psi    | 3-1/2" | DPMW-403P  | Current | Red      | V, A, KW, PF      | 3-1/2" |
| DPMA-501  | Voltage | Amber    | °F, °C, %, psi    | 3-1/2" | DPMP-401*  | Current | Amber    | °F, °C, %, psi    | 3-1/2" |
| DPMA-502  | Voltage | Red      | °F, °C, %, psi    | 3-1/2" | DPMP-402*  | Current | Green    | °F, °C, %, psi    | 3-1/2" |
| DPMA-504  | Voltage | Green    | °F, °C, %, psi    | 3-1/2" | DPMP-403*  | Current | Red      | °F, °C, %, psi    | 3-1/2" |
| DPMA-401P | Current | Amber    | V, A, KW, PF      | 3-1/2" | DPMP-501*  | Voltage | Amber    | °F, °C, %, psi    | 3-1/2" |
| DPMA-402P | Current | Red      | V, A, KW, PF      | 3-1/2" | DPMP-502*  | Voltage | Green    | °F, °C, %, psi    | 3-1/2" |
| DPMA-404P | Current | Green    | V, A, KW, PF      | 3-1/2" | DPMP-503*  | Voltage | Red      | °F, °C, %, psi    | 3-1/2" |
| DPMA-501P | Voltage | Amber    | V, A, KW, PF      | 3-1/2" | DPMP-401P* | Current | Amber    | V, A, KW, PF      | 3-1/2" |
| DPMA-502P | Voltage | Red      | V, A, KW, PF      | 3-1/2" | DPMP-402P* | Current | Green    | V, A, KW, PF      | 3-1/2" |
| DPMA-504P | Voltage | Green    | V, A, KW, PF      | 3-1/2" | DPMP-403P* | Current | Red      | V, A, KW, PF      | 3-1/2" |
| DPMW-401  | Current | Amber    | °F, °C, %, psi    | 3-1/2" | DPMP-501P* | Voltage | Amber    | V, A, KW, PF      | 3-1/2" |
| DPMW-402  | Current | Green    | °F, °C, %, psi    | 3-1/2" | DPMP-502P* | Voltage | Green    | V, A, KW, PF      | 3-1/2" |
| DPMW-403  | Current | Red      | °F, °C, %, psi    | 3-1/2" | DPMP-503P* | Voltage | Red      | V, A, KW, PF      | 3-1/2" |

\*For 4-1/2 digit display, change DPMP to DPML. Example: DPML-401