# **Dr**Sense Digital Panel Meters - DPM3 Series 1/8 DIN







The ProSense DPM3 series offers a simple, feature packed digital display of analog process signals, temperature in either Fahrenheit or Celsius from RTD or thermocouple temperature sensors, load cell, or potentiometer inputs. The 5-digit tri-color red, green or amber LED display is easily scaled into any engineering units from -19999 to 39999 with a selectable decimal point location. Two point direct or reverse acting linear scaling values can be entered manually or by introducing actual sensed process values in Teach mode. Non-linear processes can be scaled by entering up to 11 scaling points. Models are available with two SPDT or four SPST relay outputs that can be set to activate on an increasing or decreasing input signal with hysteresis or

### **Features:**

- 96 x 48mm 1/8 DIN
- Simple menu driven pushbutton configuration
- 14mm 5-digit (-19999 to 39999) tri-color (red, green, amber) LED display
- Selectable decimal point
- Process input (±10V, ±20mA)
- Temperature input (RTD: Pt100, TC: J, K, T, N, Resolution: 1°F, 0.1°F, 1°C, 0.1°C)
- Potentiometer input
- Load cell input (±15mV, ±30mV, ±150mV)
- AC or DC powered
- Sensor excitation voltage 24V and 10V
- Display scaling or process teaching modes
- 4-20mA analog output on select models
- (2) Form C SPDT or (4) Form A SPST relays on select models

time delay operation. Additionally the display color can be set to change on relay operation. Models are also available with a 4-20mA analog output. The meter is powered from an external AC or DC power supply and provides both 24VDC and 10VDC for external sensor excitation. The 1/8 DIN housing is easy to install in a panel and the meter face has an IP65 rating. Configuration parameters can be totally or selectively locked out to prevent unauthorized or accidental changes to the meter's operation. Other features include memory and reset of minimum and maximum display values, three tare functions, display hold function, filtering to minimize display bounce, and display brightness adjustment. ProSense digital panel meters are backed by a 3 year warranty.

- Activation on increasing or decreasing input signal
- Hysteresis or time delay operation
- Display color change on relay operation
- Configuration for direct or reverse acting linear processes and up to 11 point non-linear processes
- Total or selective configuration lock out
- Programmable functions include:
- Minimum and maximum value memory
- Minimum and maximum value reset
- Tare
- Hold
- Adjustable filtering to minimize display bounce
- Display brightness adjustment
- 3 year warranty



# **Pr**Sense Digital Panel Meters - DPM3 Series 1/8 DIN

|                      | DPM3 Series Panel Meters  |              |          |  |  |  |  |
|----------------------|---|--------------|----------|--|--|--|--|
| Model                | Description   | Weight (lbs) | Price    |  |  |  |  |
| <u>DPM3-AT-H</u>     | ProSense digital panel meter, 1/8 DIN, 14mm 5-digit tri-color (red, green, amber) LED, input current signal range(s) of +/- 20 mA, input voltage signal range(s) of +/- 10 VDC, +/- 150 mVDC, +/- 30 mVDC, +/- 15 mVDC, input thermocouple type(s): J, K, T, N, input RTD type(s): Pt100, 85 to 265 VAC / 100 to 300 VDC operating voltage.   | 0.6          | \$173.00 |  |  |  |  |
| <u>DPM3-AT-2R-H</u>  | ProSense digital panel meter, 1/8 DIN, 14mm 5-digit tri-color (red, green, amber) LED, input current signal range(s) of +/- 20 mA, input voltage signal range(s) of +/- 10 VDC, +/- 150 mVDC, +/- 30 mVDC, +/- 15 mVDC, input thermocouple type(s): J, K, T, N, input RTD type(s): Pt100, (2) Form C (SPDT) relay(s), 8A @ 250 VAC, 8A @ 24 VDC, 85 to 265 VAC / 100 to 300 VDC operating voltage.  | 0.7          | \$195.00 |  |  |  |  |
| <u>DPM3-AT-4R-H</u>  | ProSense digital panel meter, 1/8 DIN, 14mm 5-digit tri-color (red, green, amber) LED, input current signal range(s) of +/- 20 mA, input voltage signal range(s) of +/- 10 VDC, +/- 150 mVDC, +/- 30 mVDC, +/- 15 mVDC, input thermocouple type(s): J, K, T, N, input RTD type(s): Pt100, (4) Form A (SPST) relay(s), 5A @ 250 VAC, 5A @ 30 VDC, 85 to 265 VAC / 100 to 300 VDC operating voltage.  | 0.7          | \$210.00 |  |  |  |  |
| <u>DPM3-AT-A-H</u>   | ProSense digital panel meter, 1/8 DIN, 14mm 5-digit tri-color (red, green, amber) LED, input current signal range(s) of +/- 20 mA, input voltage signal range(s) of +/- 10 VDC, +/- 150 mVDC, +/- 30 mVDC, +/- 15 mVDC, input thermocouple type(s): J, K, T, N, input RTD type(s): Pt100, output current signal range(s) of 4 - 20 mA, 85 to 265 VAC / 100 to 300 VDC operating voltage.  | 0.7          | \$195.00 |  |  |  |  |
| <u>DPM3-AT-A2R-H</u> | ProSense digital panel meter, 1/8 DIN, 14mm 5-digit tri-color (red, green, amber) LED, input current signal range(s) of +/- 20 mA, input voltage signal range(s) of +/- 10 VDC, +/- 150 mVDC, +/- 30 mVDC, +/- 15 mVDC, input thermocouple type(s): J, K, T, N, input RTD type(s): Pt100, output current signal range(s) of 4 - 20 mA, (2) Form C (SPDT) relay(s), 8A @ 250 VAC, 8A @ 24 VDC, 85 to 265 VAC / 100 to 300 VDC operating voltage. | 0.7          | \$217.00 |  |  |  |  |
| DPM3-AT-L            | ProSense digital panel meter, 1/8 DIN, 14mm 5-digit tri-color (red, green, amber) LED, input current signal range(s) of +/- 20 mA, input voltage signal range(s) of +/- 10 VDC, +/- 150 mVDC, +/- 30 mVDC, +/- 15 mVDC, input thermocouple type(s): J, K, T, N, input RTD type(s): Pt100, 22 to 53 VAC / 10.5 to 70 VDC operating voltage.  |              | \$173.00 |  |  |  |  |
| <u>DPM3-AT-2R-L</u>  | ProSense digital panel meter, 1/8 DIN, 14mm 5-digit tri-color (red, green, amber) LED, input current signal range(s) of +/- 20 mA, input voltage signal range(s) of +/- 10 VDC, +/- 150 mVDC, +/- 30 mVDC, +/- 15 mVDC, input thermocouple type(s): J, K, T, N, input RTD type(s): Pt100, (2) Form C (SPDT) relay(s), 8A @ 250 VAC, 8A @ 24 VDC, 22 to 53 VAC / 10.5 to 70 VDC operating voltage.   | 0.7          | \$195.00 |  |  |  |  |
| <u>DPM3-AT-4R-L</u>  | ProSense digital panel meter, 1/8 DIN, 14mm 5-digit tri-color (red, green, amber) LED, input current signal range(s) of +/- 20 mA, input voltage signal range(s) of +/- 10 VDC, +/- 150 mVDC, +/- 30 mVDC, +/- 15 mVDC, input thermocouple type(s): J, K, T, N, input RTD type(s): Pt100, (4) Form A (SPST) relay(s), 5A @ 250 VAC, 5A @ 30 VDC, 22 to 53 VAC / 10.5 to 70 VDC operating voltage.   | 0.7          | \$210.00 |  |  |  |  |
| <u>DPM3-AT-A-L</u>   | ProSense digital panel meter, 1/8 DIN, 14mm 5-digit tri-color (red, green, amber) LED, input current signal range(s) of +/- 20 mA, input voltage signal range(s) of +/- 10 VDC, +/- 150 mVDC, +/- 30 mVDC, +/- 15 mVDC, input thermocouple type(s): J, K, T, N, input RTD type(s): Pt100, output current signal range(s) of 4 - 20 mA, 22 to 53 VAC / 10.5 to 70 VDC operating voltage.   | 0.7          | \$195.00 |  |  |  |  |
| <u>DPM3-AT-A2R-L</u> | ProSense digital panel meter, 1/8 DIN, 14mm 5-digit tri-color (red, green, amber) LED, input current signal range(s) of +/- 20 mA, input voltage signal range(s) of +/- 10 VDC, +/- 150 mVDC, +/- 30 mVDC, +/- 15 mVDC, input thermocouple type(s): J, K, T, N, input RTD type(s): Pt100, output current signal range(s) of 4 - 20 mA, (2) Form C (SPDT) relay(s), 8A @ 250 VAC, 8A @ 24 VDC, 22 to 53 VAC / 10.5 to 70 VDC operating voltage.  | 0.7          | \$217.00 |  |  |  |  |

# **Digital Panel Meters - DPM3** Series 1/8 DIN

|                        |                                  | Technic  | cal Specifications   |  |  |  |  |  |
|------------------------|----------------------------------|--|--|--|--|--|--|--|
|                        | Range                            | Input Impedance  | Accuracy   | Resolution   |  |  |  |  |
| Process                | ±10VDC                           | 1ΜΩ  | ±(0.1% rdg + 1 digit)  | 1mV  |  |  |  |  |
|                        | ±20mA DC                         | 15Ω  | ±(0.1% rdg + 1 digit)  | 1  | μΑ   |  |  |  |
| Sensor<br>Excitation   |                                  | 24V@60mA, 10V @ 60mA   |  |  |  |  |  |  |
| De la cliana la c      | Range                            | Input Impedance  | Accuracy   | Resolution   |  |  |  |  |
| Potentiometer          | 200Ω minimum                     | 1ΜΩ  | ±(0.1% rdg + 1 digit)  | 0.005%   |  |  |  |  |
| Sensor<br>Excitation   |                                  |  | 10V @ 60mA   |  |  |  |  |  |
|                        | Range                            | Input Impedance  | Accuracy   | Resolution   |  |  |  |  |
| Load Cell              | ±15mV, ±30mV,<br>±150mV          | 100ΜΩ  | ±(0.1% rdg + 1 digit)  | 1  | μV   |  |  |  |
| Sensor<br>Excitation   |                                  |  | 10V @ 60mA   |  |  |  |  |  |
|                        | RTD                              | Pt100 (3-Wire)   |  |  |  |  |  |  |
|                        | Fixed display range / resolution | -200.0°C to 800.0°C / 0.1°C<br>-200°C to 800°C / 1°C<br>-328.0°F to 1472.0°F/ 0.1°F<br>-328°F to 1472°F / 1°F    |  |  |  |  |  |  |
|                        | Accuracy / resolution            | ±(0.2% rdg+0.6°C) / 0.1°C<br>±(0.2% rdg+1°C) 1°C<br>±(0.2% rdg+1°F) / 0.1°F<br>±(0.2% rdg+2°F)                   |  |  |  |  |  |  |
|                        | Pt100 sensor excitation          | <1mA DC  |  |  |  |  |  |  |
|                        | Max lead resistance              | 40Ω / cable (balanced)   |  |  |  |  |  |  |
| Temperature            | Thermocouple                     | J K T  |  |  |  |  |  |  |
|                        | Fixed display range / resolution | -150.0°C to 1100.0°C / 0.1°C<br>-150°C to 1100°C / 1°C<br>-238.0°F to 2012.0°F / 0.1°F<br>-238°F to 2012°F / 1°F | -150.0°C to 1200.0°C / 0.1°C<br>-150°C to 1200°C / 1°C<br>-238.0°F to 2192.0°F / 0.1°F<br>-238°F to 2192°F / 1°F | -200.0°C to 400.0°C / 0.1°C<br>-200°C to 400°C / 1°C<br>-328.0°F to 752.0°F / 0.1°F<br>-328°F to 752°F / 1°F | -150.0°C to 1300.0°C / 0.1°C<br>-150°C to 1300°C / 1°C<br>-238.0°F to 2372.0°F / 0.1°F<br>-238°F to 2372°F / 1°F |  |  |  |
|                        | Accuracy / resolution            | ±(0.4% rdg+0.6°C) / 0.1°C<br>±(0.4% rdg+1°C) 1°C<br>±(0.4% rdg+1°F) / 0.1°F<br>±(0.4% rdg+2°F) / 1°F             | ±(0.4% rdg+0.6°C) / 0.1°C<br>±(0.4% rdg+1°C) 1°C<br>±(0.4% rdg+1°F) / 0.1°F<br>±(0.4% rdg+2°F) / 1°F             | ±(0.4% rdg+0.6°C) / 0.1°C<br>±(0.4% rdg+1°C) 1°C<br>±(0.4% rdg+1°F) / 0.1°F<br>±(0.4% rdg+2°F) / 1°F         | ±(0.4% rdg+0.6°C) / 0.1°C<br>±(0.4% rdg+1°C) 1°C<br>±(0.4% rdg+1°F) / 0.1°F<br>±(0.4% rdg+2°F) / 1°F             |  |  |  |
|                        | Cold junction compensation range | -10°C to 60°C (14°F to 140°F)  |  |  |  |  |  |  |
|                        | Offset programmable              |  | -19.9° / +   | 99.9°  |  |  |  |  |
|                        | Technique                        |  | Sigma-I  | Delta  |  |  |  |  |
| Conversion             | Resolution                       | ±15 bits   |  |  |  |  |  |  |
|                        | Conversion rate                  |  | 20 times pe  | r second   |  |  |  |  |
|                        | Temperature coefficient          |  | 100 ppr  | n/°C   |  |  |  |  |
| Accuracy<br>Conditions | Warm-up time                     |  | 10 min   | utes   |  |  |  |  |
|                        | Temperature                      |  | 23°C±  | 5°C  |  |  |  |  |

# **Digital Panel Meters - DPM3** Series 1/8 DIN

|                                 |   | Technical Specifications  | s Continued   |  |  |
|---------------------------------|---|---------------------------|---|--|--|
|                                 | Range   | -19999 / +39999, 5 LED di | igits 14mm (Programmable color Red, Green, Amber)   |  |  |
|                                 | LEDs  | 8,                        | functions and outputs status  |  |  |
|                                 |   | Process / Load cell       | 20 times per second   |  |  |
| Display                         | Display refresh rate  | Pt100                     | 20 times per second   |  |  |
|                                 |   | ТС                        | 10 times per second   |  |  |
|                                 | Display / Input<br>overrange indication   |                           | "-oUEr" , "oUEr"  |  |  |
|                                 | -2R: (2) Form C SPDT  | <u></u>                   | -4R: (4) Form A SPST Normally Open with shared common   |  |  |
| Relays                          | Maximum switching curre<br>Maximum switching pow<br>Maximum switching volta<br>Contact resistance |                           | Nominal contact rating  |  |  |
|                                 | Туре  |                           | 4-20 mA Sourcing  |  |  |
| Analog Output<br>-A & -A2R Only | Maximum load  | ≤500Ω                     |   |  |  |
|                                 | Resolution  |                           | 13 bits   |  |  |
|                                 | Accuracy  |                           | 0.1%FS ±1 bit   |  |  |
|                                 |   |                           | 10ms  |  |  |
|                                 | Thermal drift   |                           | 0.5µA / ℃   |  |  |
| Power Supply and<br>Fuses       | -H High Voltage:<br>-L Low Voltage:   |                           | ded fusing 0.5A/250V, 5mm x 20mm glass miniature or DIN 41661 equivalent)<br>nded fusing 2A/250V, 5mm x 20mm glass miniature or DIN 41661 equivalent) |  |  |
| Power<br>Consumption            |   | 5W without op             | otions, 8W max.   |  |  |
| Filter                          | Cutoff frequency  |                           | 4Hz to 0.05Hz   |  |  |
| T III.CI                        | Slope   |                           | -20dB/Dec.  |  |  |
|                                 | Operating temperature   | -1                        | 0°C to +60°C (14°F to 140°F)  |  |  |
|                                 | Storage temperature   | -2!                       | 5°C to +85°C (-13°F to 185°F)   |  |  |
| Environmental<br>Conditions     | Relative humidity (non-condensing)  |                           | <95% @ 40°C (104°F)   |  |  |
| Continuino                      | Maximum altitude  |                           | 2000m   |  |  |
|                                 | Frontal protection degree   | IP65                      |   |  |  |
| Environmental Air               |   | No corrosive ç            | gases permitted   |  |  |
| Agency Approvals                |   | (                         | CE  |  |  |

# **Dr**Sense Digital Panel Meters - DPM3 Series 1/8 DIN

### Wiring

Connector

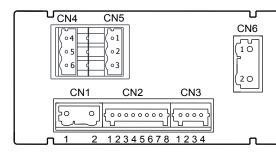
Wire cross section

Strip length

Manufacturer

Cage clamp

connection



Note: For additional wiring information download complete manual from <u>www.AutomationDirect.com</u>

CN1

0.08 to 2.5mm<sup>2</sup>

(28 to 12 AWG)

8 to 9mm

Wago 231-

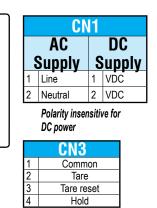
blade

202/026-000

Insertion tool or

screwdriver with

0.5 mm x 3.0 mm



**CN4 &** 

CN5

0.08 to 2.5mm<sup>2</sup>

(28 to 12 AWG)

8 to 9mm

Wago 231-

0.3 mm x 1.8 mm 0.3 mm x 1.8 mm 0.5 mm x 3.0 mm 0.5 mm x 3.0 mm

blade

303/026-000

Insertion tool or

screwdriver with

1

7

8

CN6

0.08 to 2.5mm<sup>2</sup>

(28 to 12 AWG)

8 to 9mm

Wago 231-

blade

302/026-000

Insertion tool or

screwdriver with

| CN2 |                   |            |          |           |  |  |  |  |
|-----|-------------------|------------|----------|-----------|--|--|--|--|
|     | Input             | Signal ,   | / Excita | tion      |  |  |  |  |
|     | Process           | Load Cell  |          |           |  |  |  |  |
|     | -EXC24V           |            | -        | -EXC10    |  |  |  |  |
|     | +EXC24V           |            |          |           |  |  |  |  |
|     |                   |            |          | +EXC10    |  |  |  |  |
|     |                   | Pt100 A    |          |           |  |  |  |  |
|     | +mA               |            |          |           |  |  |  |  |
|     | +V                |            |          |           |  |  |  |  |
|     |                   | Pt100<br>B | +TC      | +mV       |  |  |  |  |
|     | -V / -mA<br>(COM) | Pt100<br>B | -TC      | -mV (COM) |  |  |  |  |

#### 2 SPDT Relays (-2R)

| C | N4 (Relay<br>2) | C | N5 (Relay<br>1) |
|---|-----------------|---|-----------------|
| 4 | NO2             | 1 | NO1             |
| 5 | CM2             | 2 | CM1             |
| 6 | NC2             | 3 | NC1             |
|   |                 | _ |                 |

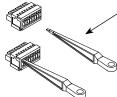
#### 4 SPST Relays (-4R)

|   | CN4      |   | CN5 |
|---|----------|---|-----|
| 4 | NO4      | 1 | NO1 |
| 5 | Unused   | 2 | NO2 |
| 6 | CM (All) | 3 | NO3 |
|   |          | _ |     |

NO: Normally open, CM: Common, NC: Normally closed

|   | CN6           |
|---|---------------|
|   | Analog Output |
| 1 | (-) 4-20mA    |
| 2 | (+) 4-20mA    |

#### CN2 and CN3 Terminals



Insertion Tool (included with meter) Insert wires into the proper terminal while using the insertion tool to open the clip inside the connector. Release the insertion tool to fix wire to the terminal.

**Terminals** 

CN3

0.08 to 0.5mm<sup>2</sup>

(28 to 20 AWG)

Wago 733-104

Insertion tool or

screwdriver with

5 to 6mm

blade

CN2

0.08 to 0.5mm<sup>2</sup>

(28 to 20 AWG)

Wago 733-108

Insertion tool or

screwdriver with

5 to 6mm

blade

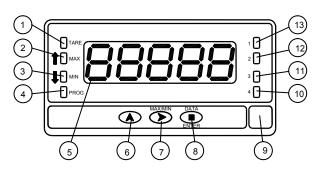
#### CN1, CN4, CN5 and CN6 Terminals



Insertion Tool (included with meter) Insert wires into the proper terminal while using the insertion tool to open the clip inside the connector. Release the insertion tool to fix wire to the terminal.

# Sense Digital Panel Meters - DPM3 Series 1/8 DIN

### Programming Panel



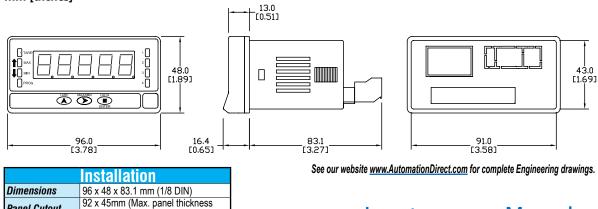
|    |                            | <b>Programming Pai</b>                | nel  |
|----|----------------------------|---------------------------------------|--|
| #  | Description                | Run Mode                              | Programming Mode                           |
| 1  | TARE                       | Indicates tare in the memory          |  |
| 2  | MAX                        | Indicates peak displayed              |  |
| 3  | MIN                        | Indicates valley displayed            |  |
| 4  | PROG                       |                                       | Indicates programming mode                 |
| 5  | DISPLAY                    | Displays the input variable           | Displays programming parameters            |
| 6  | UP/TARE KEY                | Takes on the display value as tare    | Increments the value of the flashing digit |
| 7  | SHIFT/MAX/MIN KEY          | Recalls Max/Min values                | Moves to the right                         |
| 8  | ENTER KEY                  | Enters in PROG mode.<br>Displays data | Accepts data. Advances program             |
| 9  | Free space for units label |                                       |  |
| 10 | LED Output 4               | Activation output 4                   | Programming output 4                       |
| 11 | LED Output 3               | Activation output 3                   | Programming output 3                       |
| 12 | LED Output 2               | Activaton output 2                    | Programming output 2                       |
| 13 | LED Output 1               | Activation output 1                   | Programming output 1                       |

### **Dimensions**



Panel Cutout

Case Material



Insert



Manual



Scan or click the above QR code to be taken to the DPM3 Series Quick Start Guide

Scan or click the above QR code to be taken to the DPM3 Series Manual

10mm)

Polycarbonate UL 94 V-0

1-800-633-0405

# **Dr**Sense Digital Panel Meters DPM Series





Description

The ProSense DPM family of digital panel meters includes both 1/32 DIN and 1/8 DIN meter sizes with simple menu-driven pushbutton configuration. A wide variety of input signals can be accepted for process, temperature, load cell, voltage, current, pulse, frequency, and other applications. Available output options include alarm relays, analog signal retransmission, and sensor excitation voltage. Backed by a 3-year warranty, ProSense digital panel meters offer outstanding features and performance at an incredible price point.

Click on the thumbnail or go to <u>https://www.automationdirect.com/VID-PS-0007</u> for a short video on Digital Panel Meters



|                       | DP         | M Series Digital Panel   | <b>Meters Process</b>                                     | Input Selec  | ction Guide  |          |
|-----------------------|------------|--|---|--|--|----------|
| Model                 | Size       | Display  | Inputs  | Outputs  | Power  | Price    |
| DPM1-A-LP             |            |  | 4-20mA  |  | Loop Powered   | \$104.00 |
| <u>DPM1-A-H</u>       |            | 10mm, Red LED*, -1999 to 9999<br>Selectable decimal point              | ±20mA, ±100mV<br>±10V, ±20V                               |  | 85-265 VAC, 50/60 Hz<br>100-300 VDC                        | \$119.00 |
| <u>DPM1-A-L</u>       |            |  | ±200V   | None   | 21-53 VAC, 50/60 Hz<br>10.5-70 VDC                         | \$119.00 |
| <u>DPM1-T-H</u>       | 1/32 DIN _ | 10mm, Red LED, -1999 to 9999   | RTD Pt100 (3-wire)<br>TC Type J, K, T or N                |  | 85-265 VAC, 50/60 Hz<br>100-300 VDC<br>21-53 VAC, 50/60 Hz | \$119.00 |
| <u>DPM1-T-L</u>       |            | 10mm, red LED, -1333 to 3333   | TC Type J, K, T or N                                      |  | 10.5-70 VDC  | \$119.00 |
| <u>DPM1-A-2R-H</u>    |            |  |   | 2 Relays<br>Form A SPST                                      | 85-265 VAC, 50/60 Hz<br>100-300 VDC                        | \$132.00 |
| <u>DPM1-A-2R-L</u>    |            | 8mm, Red LED, -1999 to 9999  | ±20mA, ±100mV   | Normally Open  | 21-53VAC 50/60 Hz<br>10.5-70VDC                            | \$132.00 |
| <u>DPM1-A-A2R-H</u>   |            | Selectable decimal point   | ±10V, ±60V  | 2 Relays<br>Form A SPST                                      | 85-265 VAC, 50/60 Hz<br>100-300 VDC                        | \$145.00 |
| DPM1-A-A2R-L          |            |  |   | Normally Open<br>4-20mA                                      | 21-53 VAC, 50/60 Hz<br>13.5-70 VDC                         | \$145.00 |
| DPM2-AT-HL            |            | DDM2: 14mm Dod LED 0000 to   | ±20mA, ±10V   | None   |  | \$139.00 |
| DPM2L-AT-HL           |            | DPM2: 14mm, Red LED, -9999 to<br>9999                                  | ±200V, 100-100k Ohm<br>potentiometer,                     | None   | 20-265 VAC, 50/60 Hz                                       | \$149.00 |
| DPM2-AT-2R-HL         |            | DPM2L: 20mm, Red LED, -1999 to<br>9999                                 | 1k-50k Ohm resistance,<br>RTD Pt100 (3-wire)              | 2 Relays   | 11-265 VDC   | \$152.00 |
| <u>DPM2L-AT-2R-HL</u> |            | Selectable decimal point RTD Pt1000 (4-wire) F<br>TC Type J, K, T or N | Form C SPDT   |  | \$164.00   |          |
| <u>DPM3-AT-H</u>      |            |  | None  |  | \$173.00   |          |
| <u>DPM3-AT-2R-H</u>   |            |  |   | 2 Relays<br>Form C SPDT                                      |  | \$195.00 |
| <u>DPM3-AT-4R-H</u>   |            |  |   | 4 Relays Form<br>A Normally<br>Open with<br>shared<br>common | 85-265 VAC, 50/60Hz<br>100-300 VDC                         | \$210.00 |
| <u>DPM3-AT-A-H</u>    |            |  |   | 4-20mA   |  | \$195.00 |
| <u>DPM3-AT-A2R-H</u>  | 1/8 DIN    | 14mm, Red, Green, Amber LED  | ±20mA, ±10V<br>RTD Pt100 (3-wire)<br>TC Type J, K, T or N | 2 Relays<br>Form C SPDT<br>4-20mA                            |  | \$217.00 |
| DPM3-AT-L             |            | -19999 to 39999<br>Selectable decimal point                            | Load Cell ±15mV, ±30mV,<br>±150mV                         | None   |  | \$173.00 |
| DPM3-AT-2R-L          |            |  | Potentiometer   | 2 Relays<br>Form C SPDT                                      |  | \$195.00 |
| DPM3-AT-4R-L          |            |  |   | 4 Relays Form<br>A Normally<br>Open with<br>shared<br>common | 22-53 VAC, 50/60 Hz<br>10.5-70 VDC                         | \$210.00 |
| DPM3-AT-A-L           |            |  |   | 4-20mA   |  | \$195.00 |
| DPM3-AT-A2R-L         |            |  |   | 2 Relays<br>Form C SPDT<br>4-20mA                            |  | \$217.00 |

\* Illumination based on available loop current and will not be as bright as the powered Digital Panel Meters

tPMC-1

# **Dr**Sense Digital Panel Meters DPM Series

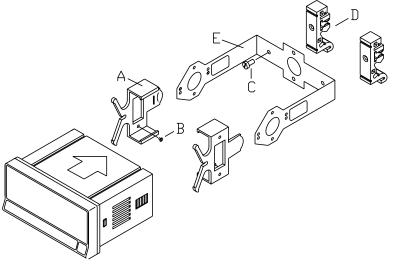
|                     | DPM      | Series Digital Panel Mete                   | rs Electrical Inpu  | t Selection                       | Guide                               |          |
|---------------------|----------|---|---|-----------------------------------|-------------------------------------|----------|
| Model               | Size     | Display                                     | Inputs  | Outputs                           | Power                               | Price    |
| <u>DPM1-E-H</u>     | 1/32 DIN | 10mm, Red LED, -1999 to 9999                | 100 / 600 VAC or VDC  | None                              | 85-265 VAC, 50/60 Hz<br>100-300 VDC | \$119.00 |
| <u>DPM1-E-L</u>     | 1/52 DIN | Selectable decimal point                    | 1A / 5A AC or DC  | NULLE                             | 21-53 VAC, 50/60Hz<br>10.5-70 VDC   | \$119.00 |
| DPM2-E-HL           |          | 14mm Red LED 0000 to 0000                   | 600 / 200 / 20 VAC or VDC<br>1A / 5A / shunt 60mV /                 | None                              | 20-265 VAC, 50/60 Hz                | \$139.00 |
| DPM2-E-2R-HL        |          | 14mm, Red LED, -9999 to 9999                | shunt 100mV AC or DC  | 2 Relays<br>Form C SPDT           | 11-265 VDC                          | \$152.00 |
| <u>DPM3-E-H</u>     |          |   |   | None                              |                                     | \$202.00 |
| <u>DPM3-E-A2R-H</u> | 1/8 DIN  | 14mm, Red, Green, Amber LED                 | 600 / 200 / 20 / 2 VAC True<br>RMS or VDC<br>1A / 5A / shunt 50mV / | 2 Relays<br>Form C SPDT<br>4-20mA | 85-265 VAC<br>100-300 VDC           | \$239.00 |
| <u>DPM3-E-L</u>     |          | -19999 to 19999<br>Selectable decimal point | shunt 60mV / shunt 100mV<br>AC                                      | None                              |                                     | \$202.00 |
| <u>DPM3-E-A2R-L</u> |          |   | True RMS or DC  | 2 Relays<br>Form C SPDT<br>4-20mA | 22-53 VAC<br>10.5-70 VDC            | \$239.00 |

| D                   | DPM Series Digital Panel Meters Pulse, Frequency Input Selection Guide |  |   |                                   |                             |          |  |  |
|---------------------|--|--|---|-----------------------------------|-----------------------------|----------|--|--|
| Model               | Size   | Display  | Inputs  | Outputs                           | Power                       | Price    |  |  |
| <u>DPM1-P-H</u>     |  | 10mm, Red LED, 0 to 9999                           | 7kHz (tachometer rpm or rate modes)                               | None                              | 85-265 VAC<br>100-300 VDC   | \$119.00 |  |  |
| <u>DPM1-P-L</u>     | 1/32 DIN   | Selectable decimal point                           | 9999Hz (frequency meter<br>mode)                                  | None                              | 1-53 VAC<br>10.5-70 VDC     | \$119.00 |  |  |
| <u>DPM1-P-A2R-H</u> | 1/32 DIN   | 8mm, Red LED, 0 to 9999                            | 12kHz (tachometer rpm or rate modes)                              | 2 Relays<br>Form A SPST           | 85-265 VAC<br>100-300 VDC   | \$145.00 |  |  |
| <u>DPM1-P-A2R-L</u> |  | Selectable decimal point                           | 9999Hz (frequencý mode)<br>100Hz (duty/PWM mode)                  | Normally Open<br>4-20mA           | 21-53 VAC<br>13.5-70 VDC    | \$145.00 |  |  |
| <u>DPM2-P-HL</u>    |  | 14mm, Red LED, 0 to 9999, 0 to 999999<br>Totalizer | 7.5 kHz (counter mode)<br>25kHz (tachometer rpm or<br>rate modes) | None                              | 20-265 VAC                  | \$139.00 |  |  |
| DPM2-P-2R-HL        |  | Selectable decimal point                           |   | 2 Relays<br>Form C SPDT<br>4-20mA | 11-265 VDC                  | \$152.00 |  |  |
| <u>DPM3-P-H</u>     | 1/8 DIN  |  |   | None                              | - 85-265 VAC<br>100-300 VDC | \$173.00 |  |  |
| <u>DPM3-P-A2R-H</u> | 170 DIN  | 14mm Red, Green, Amber LED                         | 19kHz (without totalizer)   | 2 Relays<br>Form C SPDT<br>4-20mA |                             | \$217.00 |  |  |
| <u>DPM3-P-L</u>     |  | Totalizer<br>Programmable decimal point            | 9.9 kHz (with totalizer)  | None                              | 22-53 VAC                   | \$173.00 |  |  |
| <u>DPM3-P-A2R-L</u> |  |  |   | 2 Relays<br>Form C SPDT<br>4-20mA | 10.5-70 VDC                 | \$217.00 |  |  |

# **Dr**Sense Digital Panel Meter Accessories



| Panel Meter Accessories |   |              |         |  |
|-------------------------|---|--------------|---------|--|
| Model                   | Description   | Weight (lbs) | Price   |  |
|                         | ProSense panel mount bracket, for use with DPM2 and DPM3 series 1/8 DIN digital panel meters.<br>Hardware included. | 0.3          | \$22.50 |  |



The DPM-BKT1 kit includes:

A. 2 mounting clips.

- B. 4 screws M3 x 6 DIN 963 to attach the clips to the inside of the arms of part E.
- C. 2 screws M4 x 8 DIN 84 to attach DIN rail clips to part E.
- D. 2 DIN rail clips (DIN rail EN50022 or EN50035).
- E. 1 metal bracket.
- (Panel Meter not included)

#### Insert



Scan or click the above QR code to be taken to the <u>DPM-BKT1</u> Insert