### Technical Specifications

#### Input
- **Current Range**: 4-20mA
- **Current Resolution**: ±0.01mA
- **Impedance**: 10Ω
- **Accuracy (@ 23ºC ±5ºC)**: ±(0.1% of reading ÷ 3 digits)
- **Temperature coefficient**: 100 ppm/ºC
- **Warm-Up time**: 5 minutes

#### Power Supply
- **Loop powered

#### Voltage Drop on Input Loop
- **4-20 mA**: <5V

#### Conversion
- **Technique**: Single slope
- **Resolution**: 16 bits
- **Conversion rate**: 62 times per second

#### Display
- **Range**: -1999 to 9999, selectable decimal point position
- **Type**: 4-digit 10mm (0.4"), red*
- **Display refresh rate**: 2 times per second
- **Display/Input overrange indication**: 0vE

#### Environmental Conditions
- **Operating temperature**: -10ºC to +60ºC (14ºF to 140ºF)
- **Storage temperature**: -25ºC to +85ºC (-13ºF to 185ºF)
- **Relative humidity (non-condensing)**: <95% @ 40ºC (104ºF)
- **Maximum altitude**: 2000m
- **Frontal protection degree**: IP65

#### Environmental Air
- **No corrosive gases permitted

#### Agency Approvals
- **CE

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**Features:**
- 48 x 24mm 1/32 DIN
- Simple menu driven pushbutton configuration
- 10mm 4-digit (-1999 to 9999) red LED display
- Selectable decimal point
- Process (4-20mA DC)
- Loop powered
- Display scaling or process teaching modes
- Configuration for direct or reverse acting linear processes
- Total configuration lock out
- 3 year warranty

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### DPM1 Series Panel Meters

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Weight (lbs)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>DPM1-A-LP</td>
<td>ProSense digital panel meter, 1/32 DIN, 10mm 4-digit red LED, input current signal range(s) of 4 - 20 mA, loop powered.</td>
<td>0.2</td>
<td>$70.00</td>
</tr>
</tbody>
</table>

---

* Illumination based on available loop current and will not be as bright as the powered Digital Panel Meters
Digital Panel Meters - DPM1
Series 1/32 DIN

Wiring

Connection Terminal

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.

Terminal

<table>
<thead>
<tr>
<th>Connector</th>
<th>CN1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wire cross section</td>
<td>0.08 to 2.5mm² (28 to 12 AWG)</td>
</tr>
<tr>
<td>Strip length</td>
<td>8 to 9mm</td>
</tr>
<tr>
<td>Manufacturer</td>
<td>Wago 231-302/026-000</td>
</tr>
<tr>
<td>Cage clamp connection</td>
<td>Insertion tool or screwdriver with 0.5 mm x 3.0 mm blade</td>
</tr>
</tbody>
</table>

Dimensions

mm [inches]

Installation

Dimensions 48 x 24 x 56.8mm (1/32 DIN)
Panel Cutout 45 x 22mm (Max. panel thickness 7mm)
Case Material Polycarbonate UL 94 V-0

See our website www.AutomationDirect.com for complete Engineering drawings.

For the latest prices, please check AutomationDirect.com.
## 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, 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 [https://www.automationdirect.com/VID-PS-0007](https://www.automationdirect.com/VID-PS-0007) for a short video on Digital Panel Meters.

### DPM Series Digital Panel Meters Selection Guide

<table>
<thead>
<tr>
<th>Model</th>
<th>Size</th>
<th>Display</th>
<th>Inputs</th>
<th>Outputs</th>
<th>Power</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>DPM1-A-LP</td>
<td>1/32 DIN</td>
<td>Red LED*, -1999 to 9999</td>
<td>4-20mA</td>
<td>None</td>
<td>Loop Powered</td>
<td>$70.00</td>
</tr>
<tr>
<td>DPM1-A-H</td>
<td></td>
<td></td>
<td>±20mA, ±100mV</td>
<td>2 Relays Form A SPST Normally Open</td>
<td>85-265VAC, 50/60 Hz 100-300VDC</td>
<td>$91.00</td>
</tr>
<tr>
<td>DPM1-A-L</td>
<td></td>
<td>Selectable decimal point</td>
<td>±20mA, ±100mV</td>
<td>2 Relays Form A SPST Normally Open</td>
<td>21-53VAC 50/60 Hz 10.5-70VDC</td>
<td>$91.00</td>
</tr>
<tr>
<td>DPM1-T-H</td>
<td>1/32 DIN</td>
<td>Red LED, -1999 to 9999</td>
<td>RTD Pt100 (3-wire) TC Type J, K, T or N</td>
<td>2 Relays Form A SPST Normally Open</td>
<td>85-265VAC, 50/60 Hz 100-300VDC</td>
<td>$91.00</td>
</tr>
<tr>
<td>DPM1-T-L</td>
<td></td>
<td></td>
<td>RTD Pt100 (3-wire) TC Type J, K, T or N</td>
<td>2 Relays Form A SPST Normally Open</td>
<td>21-53VAC 50/60 Hz 10.5-70VDC</td>
<td>$91.00</td>
</tr>
<tr>
<td>DPM1-A-2R-H</td>
<td></td>
<td></td>
<td>±20mA, ±100mV</td>
<td>2 Relays Form A SPST Normally Open</td>
<td>85-265VAC, 50/60 Hz 100-300VDC</td>
<td>$101.00</td>
</tr>
<tr>
<td>DPM1-A-2R-L</td>
<td></td>
<td></td>
<td>±20mA, ±100mV</td>
<td>2 Relays Form A SPST Normally Open</td>
<td>21-53VAC 50/60 Hz 10.5-70VDC</td>
<td>$101.00</td>
</tr>
<tr>
<td>DPM2-AT-H</td>
<td></td>
<td></td>
<td>±20mA, ±10V</td>
<td>2 Relays Form C SPDT</td>
<td>20-265VAC 50/60 Hz 11-265VDC</td>
<td>$107.00</td>
</tr>
<tr>
<td>DPM2-AT-2R-H</td>
<td></td>
<td></td>
<td>±20mA, ±10V</td>
<td>2 Relays Form C SPDT</td>
<td>85-265VAC 50/60 Hz 100-300VDC</td>
<td>$117.00</td>
</tr>
<tr>
<td>DPM3-AT-H</td>
<td>1/8 DIN</td>
<td>Red, Green, Amber LED -19999 to 39999</td>
<td>4-20mA</td>
<td>4 Relays Form A Normally Open with shared common</td>
<td>85-265VAC 50/60Hz 100-300VDC</td>
<td>$133.00</td>
</tr>
<tr>
<td>DPM3-AT-2R-H</td>
<td></td>
<td></td>
<td>RTD Pt100 (3-wire) TC Type J, K, T or N</td>
<td>4 Relays Form A Normally Open with shared common</td>
<td>85-265VAC 50/60Hz 100-300VDC</td>
<td>$149.00</td>
</tr>
<tr>
<td>DPM3-AT-L</td>
<td></td>
<td></td>
<td></td>
<td>4 Relays Form A Normally Open with shared common</td>
<td>22-53VAC 50/60 Hz 10.5-70VDC</td>
<td>$161.00</td>
</tr>
</tbody>
</table>

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