

## Power Monitor

# DM-0101

Network Analyzer, Single Phase  
with True RMS measurement

### FEATURES

- True RMS measurements
- Display and accuracy:
  - V - A - Hz: 0.5%
  - kW: 1.0%
  - pf: 0.5%
- 5A current transformer input
- Automatic and manual display scroll
- Can be used as a kW meter or pf meter
- Front panel programming
- Reduced panel depth
- Wide operating temperature range
- Sealed front panel (IP54)
- Plug-in connection system
- Non-flammable enclosure
- Flush mount with brackets

### MEASUREMENTS

- AC RMS voltage
- AC RMS current
- Frequency
- Active Power
- Power Factor

The DM-0101 is part of a multi-dimensional family of digital panel meters designed for 1-Phase and 3-Phase systems.



### DESCRIPTION

The DM-0101 is a state-of-the-art panel meter designed for accurate measurement of the AC RMS voltage, AC RMS current, frequency, active power and power factor in single-phase systems.

Although they are mainly used in electrical panels, these devices can also be integrated in many other applications.

The current transformer ratio can be set between 5/5A and 5000/5A via front panel buttons.

Devices have separate inputs for supply and measurement. The DM-0101 allows both manual selection of the display channel and automatic scrolling.

The unit fits into a standard 96 x 48 mm DIN (92 x 44mm cutout) opening. The DM-0101 is also available in a 72mm and 96 mm size.



For more information or the latest certifications, please contact:  
PC&S, Inc. at +1 (800) 523-9194 or +1 (973) 448-9400  
[www.pc-s.com](http://www.pc-s.com)

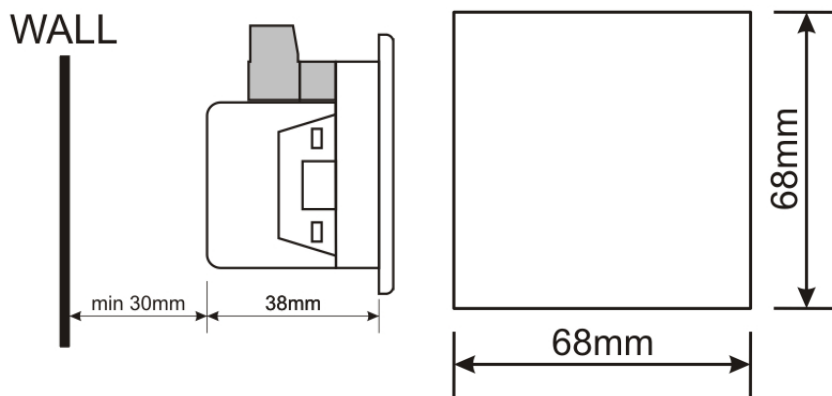
## TECHNICAL SPECIFICATIONS

<b>Power Supply Input</b> 170 - 275V,AC 50 - 60Hz nominal ( $\pm 10\%$ ) Different supply voltages available	<b>Operating Temperature</b> -40°F to 176°F (-40°C to +80°C) <b>Maximum Humidity</b> 95% non-condensing <b>Degree of Protection</b> IP 54 - front panel IP 30 - back panel
<b>Measurement Input Range</b> <b>Voltage:</b> 10 - 300V,AC (L-N) <b>Current:</b> 0.2 - 5.5A,AC <b>Frequency:</b> 30 - 100 Hz	<b>Enclosure</b> Non-flammable, ROHS compliant <b>Installation</b> Flush mounting with rear brackets <b>Dimensions</b> 72mm: 78x78x41mm (3.07" W x 3.07" H) 96x48mm: 96x48mm (3.78" W x 1.89" H) 72mm: 68x68mm (2.67" W x 2.67" H) 0.77 lbs.
<b>Accuracy</b> <b>Volts-Amps-Hz:</b> 0.5% + 1 digit <b>kW:</b> 1.0% + 2 digit <b>cos:</b> 2.0% + 2 digit	<b>Panel Cutout</b> <b>Weight</b> <b>Applied Standards</b> <b>General:</b> LVD: 2006/95/EC EMC: 2004/108/EC <b>Safety:</b> Safety: EN61010 EMC: EN61326
<b>Power Consumption</b> <1.5W <b>Voltage Burden</b> <0.1VA per phase <b>Current Burden</b> <1VA per phase	

## ORDERING INFORMATION

Part Number	Description	Input / Aux Supply
DM-0101-1-1	1 display, 96 x 48mm	120V,AC
DM-0101-1-2	1 display, 96 x 48mm	240V,AC
DM-0101-2-1	1 display, 72 x 72mm	120V,AC
DM-0101-2-2	1 display, 72 x 72mm	240V,AC
DM-0301-2-1	3 display, 72 x 72mm	120V,AC
DM-0301-2-2	3 display, 72 x 72mm	240V,AC

### MOUNTING TOLERANCES AND PANEL CUTOUT



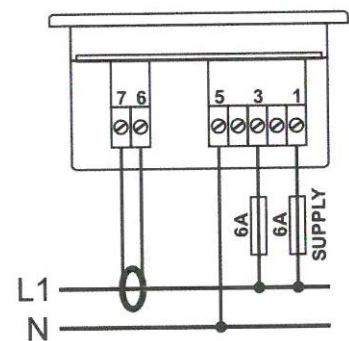
#### Mounting Tolerances

Meter	Depth
96mm x 48mm	38mm
72mm x 72mm	38mm
96mm x 96mm	49mm

#### Panel Cutout Dimensions

Panel	Cutout
96mm x 48mm	92mm x 44mm
72mm x 72mm	68mm x 68mm
96mm x 96mm	92mm x 92mm

### TYPICAL CONNECTIONS



www.pc-s.com

For more information and certifications, please contact:

**Panel Components & Systems, Inc. ■ Phone: (800) 523-9194 ■ info@pc-s.com**

Main Office:	Stanhope, NJ	Phone: (973) 448-9400
South East:	Charlotte, NC	Phone: (704) 535-3357
South Central:	Tulsa, OK	Phone: (862) 258-6974
Canada:	Edmonton, AB	Phone: (877) 962-0557