

Digital Meter

DV-0101

AC Voltmeter, 1-Phase
with True RMS Measurement



FEATURES

- True RMS measurement
- 0.5% accuracy class
- Operating temperature range from -40°F to +176°F
- Plug-in connection system
- Sealed front panel (IP54)
- Non-flammable enclosure
- Flush mount with brackets
- Reduced panel depth
- Bright, easy-to-read LED display
- Standard DIN sizes: 96 x 48mm, 72mm and 96mm
- 120V,AC and 240V,AC inputs
- Part of a multi-family series of meters

DESCRIPTION

These state-of-the-art panel meters are designed for accurate measurement of frequency in single-phase systems.

Three DIN sizes -- 96 x 48mm, 72 x 72mm and 96 x 96mm -- allows these units to integrate perfectly into an unlimited variety of applications.

The high-resolution meter display is 3-1/2 digit with a digit size of 14.2mm (0.56") high, 7 segment matched red LEDs which allow viewing from a wide range of angles and distances.

Devices have separate inputs for supply and measurement.



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

DV-0101 True RMS Digital Frequency Meter

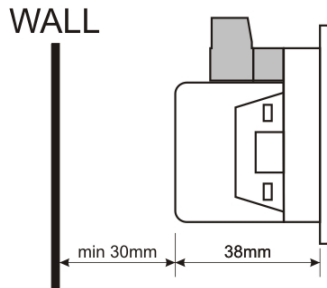
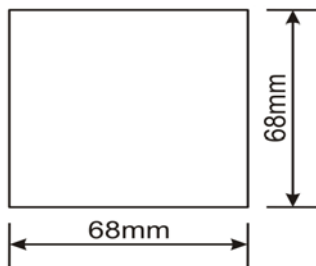
TECHNICAL SPECIFICATIONS

| | | | |
|--------------------------------|---|--------------------------------|--|
| Power Supply Input | 170 - 275V,AC 50 - 60Hz nominal ($\pm 10\%$) | Enclosure | Non-flammable, ROHS compliant, high temperature ABS/PC (UL94-V0) |
| Measurement Input Range | 10 - 300V,AC (L-N) 20 - 520V,AC (L-L) 30 - 100Hz | Installation Dimensions | Flush mounting with rear brackets 96 x 48mm: 3.78" W x 1.89" H 72mm: 2.67" W x 2.67" H 96mm: 3.78" W x 3.78" H 0.28 lbs./ 0.36 lbs./0.40 lbs. (48/72/96) |
| Accuracy | 0.5% + 1 digit | Weight | |
| Power Consumption | <1.5W | Applied Standards | |
| Burden | <0.1VA per phase | General: | LVD: 2006/95/EC EMC: 2004/108/EC |
| Operating Temperature | -40°F to +176°F (-40°C to +80°C) | Safety: | Safety: EN61010 EMC: EN61326 |
| Maximum Humidity | 95% non-condensing | | |
| Degree of Protection | IP 54 - front panel IP 30 - back panel | | |
| Display | 1999 full scale digits 14.2 mm (0.56") 7 segment red | | |

ORDERING INFORMATION

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

MOUNTING TOLERANCES AND PANEL CUTOUT



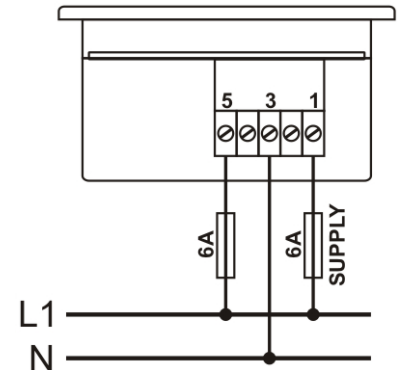
Panel Cutout Dimensions

| | Cutout |
|-------------|-------------|
| 96mm x 48mm | 92mm x 44mm |
| 72mm x 72mm | 68mm x 68mm |
| 96mm x 96mm | 92mm x 92mm |

Mounting Tolerances

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

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

| | | |
|----------------|---------------|-----------------------|
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