

Digital Meter

# DVF-0101

AC Voltmeter / Hz Meter Combination,  
1-Phase with True RMS Measurement



## FEATURES

- True RMS measurement
- 0.5% accuracy class
- Automatic and manual display scroll
- 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 and 72mm
- 120V,AC and 240V,AC inputs
- Part of a multi-family series of meters

## DESCRIPTION

These combination state-of-the-art panel meters are designed for accurate measurement of AC RMS voltages and frequencies in single phase systems.

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

Devices have separate inputs for supply and measurement with common neutral point. Front panel buttons are used to select and read line-to-line (L1-L2, L2-L3, L3-L1) and line-to-neutral (L1-N, L2-N, L3-N) voltages and frequencies.

Automatic parameter scroll is also available.



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)

# DVF-0101 True RMS Digital Volt/Hz meter Combo

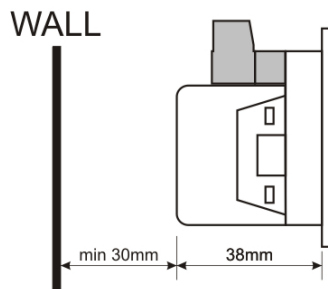
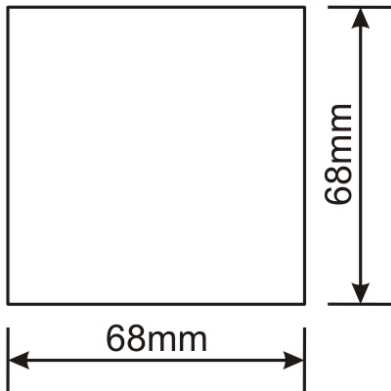
## TECHNICAL SPECIFICATIONS

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

## ORDERING INFORMATION

Part Number	Description	Input / Aux Supply
DVF-0101-1-1	1-phase, 1 display & LEDs, 96 x 48mm	120V,AC
DVF-0101-1-2	1-phase, 1 display & LEDs, 96 x 48mm	240V,AC
DVF-0101-2-1	1-phase, 1 display & LEDs, 72 x 72mm	120V,AC
DVF-0101-2-2	1-phase, 1 display & LEDs, 72 x 72mm	240V,AC

## MOUNTING TOLERANCES AND PANEL CUTOUT



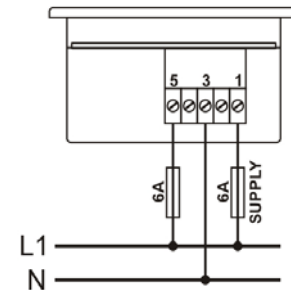
### Panel Cutout Dimensions

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

### Mounting Tolerances

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

## TYPICAL CONNECTIONS



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For more information and certifications, please contact:

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

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