

Digital Meter

DF-0101

AC Frequency Meter, 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

DF-0101 True RMS Digital Frequency Meter

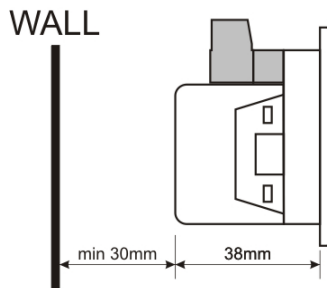
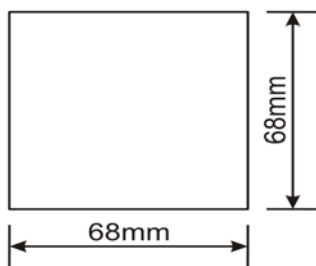
TECHNICAL SPECIFICATIONS

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
DF-0101-1-1	1-phase, 1 display, 96 x 48mm	120V,AC
DF-0101-1-2	1-phase, 1 display, 96 x 48mm	240V,AC
DF-0101-2-1	1-phase, 1 display, 72 x 72mm	120V,AC
DF-0101-2-2	1-phase, 1 display, 72 x 72mm	240V,AC
DF-0101-3-1	1-phase, 1 display, 96 x 96mm	120V,AC
DF-0101-3-2	1-phase, 1 display, 96 x 96mm	240V,AC

MOUNTING TOLERANCES AND PANEL CUTOUT



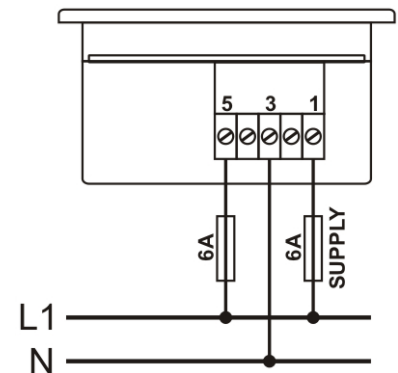
Panel Cutout Dimensions

	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:

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