DMS-20PC-3-LM

Self-Powered LED Display 480V AC Line Monitor



DATEL's DMS-20PC-3-LM is a low-cost, self-powered, 2-wire digital voltmeter designed for monitoring 480Vac 3-phase primary power. The DMS-20PC-3-LM's unique

FEATURES

Self-powered, two-terminal operation

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- 350 to 600Vac operating input range
- Half-wave averaging, rms calibrated
- Large, easy-to-read, bright red LED display
- Rugged, epoxy-encapsulated construction
- Built-in bezel for panel mounting
- Reliable screw terminals for easy installation

350-600Vrms (47-63Hz)

50mArms (max.)

2.5 readings/second

Half-wave average, rms calibrated for sinusoidal input

 $\pm 1V$ (typ.), $\pm 2V$ (max.)

±0.15 Volts/°C (max.)

1.38" x 0.88" x 1.00"

1 ounce (28 grams)

Polycarbonate

3 digit, red LED, 0.37"/9.4mm

Small 1.38" x 0.88" x 1.0" package

Functional Specifications

Input

Voltage Range ① Current Consumption

Performance

Sampling Rate Measurement Type

Accuracy @ +25°C Temperature Drift (-25 to +60°C)

Mechanical

Dimensions Display Type Weight Case Material

Environmental

Operating Temperature-25 to +60°CStorage Temperature-40 to +75°CHumidity (Non-condensing)0 to 95%

 Operation and accuracy at inputs above or below this range are not specified.





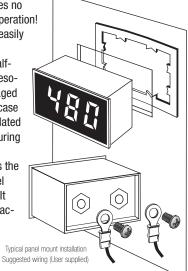
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from 350 to 600Vac (47-63Hz). The meter requires no external components or auxiliary power for full operation! Its large, 0.37^{-//}9.4mm, bright red LED display is easily readable under virtually all lighting conditions. DMS-20PC-3-LM employs rms calibrated, half-

power-supply design allows a single model to operate

wave sinusoidal averaging to achieve a display resolution of 1Vac over its full operating range. Packaged in a subminiature $(1.38^{"} \times 0.88^{"} \times 1.0^{"})$ red-filter case with a built-in bezel, the meter is epoxy encapsulated for ruggedness. An optional bezel assembly, featuring metal fasteners, simplifies panel mounting.

This easy-to-use, vibration-proof voltmeter is the ideal digital upgrade for fragile analog-style panel meters in 480Vac power distribution equipment. It similarly excels in any new application requiring accurate, high-voltage, ac line monitoring.



Ordering Information

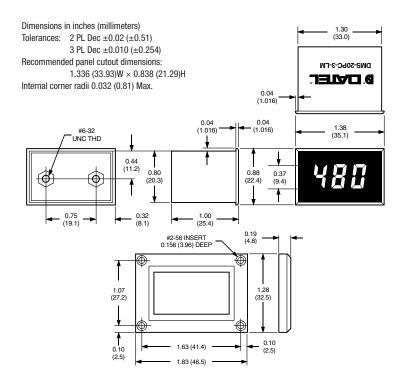
DMS-20PC-3-LM-C	350-600Vac line monitor with screw terminals and screws
DMS-BZL3-C	Panel mount bezel
DMS-BZL4-C	Panel mount bezel with sealing gasket
DMS-20-CP	Panel cutout punch

Brass screws (6-32 thread) and a panel-mount retaining clip are supplied with each meter

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USA:

muRata Ps Murata Power Solutions

Murata Power Solutions, Inc.

11 Cabot Boulevard, Mansfield, MA 02048-1151 U.S.A.

Tel: (508) 339-3000 (800) 233-2765 Fax: (508) 339-6356

www.murata-ps.com email: sales@murata-ps.com ISO 9001 REGISTERED 07/14/08

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l	Canada:	anada: Toronto, Tel: (866) 740-1232, email: toronto@murata-ps.com	
l	UK:	Milton Keynes, Tel: +44 (0)1908 615232, email: mk@murata-ps.com	
l	France:	Montigny Le Bretonneux, Tel: +33 (0)1 34 60 01 01, email: france@murata-ps.com	
l	Germany:	München, Tel: +49 (0)89-544334-0, email: munich@murata-ps.com	
	Japan:	Tokyo, Tel: 3-3779-1031, email: sales_tokyo@murata-ps.com Osaka, Tel: 6-6354-2025, email: sales_osaka@murata-ps.com Website: www.murata-ps.jp	
l	China:	Shanghai, Tel: +86 215 027 3678, email: shanghai@murata-ps.com Guangzhou, Tel: +86 208 221 8066, email: guangzhou@murata-ps.com	

Mansfield (MA), Tel: (508) 339-3000, email: sales@murata-ps.com

www.murata-ps.com

Technical enquiries email: sales@murata-ps.com, tel: +1 508 339 3000