



FEATURES

- Self-powered, only two connections required
- -4.5 to -20Vdc, -18 to -50Vdc, and -30 to -264Vdc models
- Can be used with positive-reading DMS-20PC-DCM's
- Ultra-low power consumption (8mA typ.)
- 0.37"/9.4mm high, bright red, LED displays
- Subminiature 1.38" x 0.88" x 1.0" packages

Functional Specifications

Input

Voltage Range: ①

DMS-20PC-4-DCM	-4.50 to -19.99Vdc
DMS-20PC-5-DCM	-18.0 to -50.0Vdc
DMS-20PC-6-DCM	-30 to -264Vdc

Current Consumption:

DMS-20PC-4/5-DCM	13mA (max.)
DMS-20PC-6-DCM	7mA (max.)

Performance

Sampling Rate 2.5 readings/second

Resolution:

DMS-20PC-4-DCM	±0.01V
DMS-20PC-5-DCM	±0.1V
DMS-20PC-6-DCM	±1V

Accuracy @ +25°C:

DMS-20PC-4-DCM	±0.01V (typ.), ±0.03V (max.)
DMS-20PC-5-DCM	±0.1V (typ.), ±0.2V (max.)
DMS-20PC-6-DCM	±1V (typ.), ±2V (max.)

Mechanical

Dimensions 1.38" x 0.88" x 1.00"

Display Type 3 & 3½ digit, red LED, 0.37"/9.4mm

Weight 1 ounce (28 grams)

Case Material Polycarbonate

Environmental

Operating Temperature -25 to +60°C

Storage Temperature -40 to +75°C

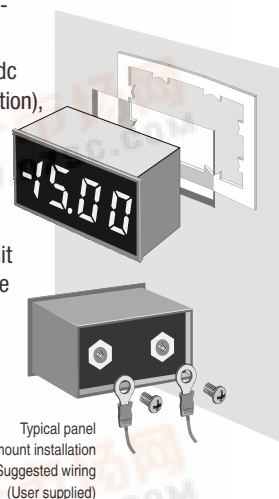
Humidity (Non-condensing) 0 to 95%

① Operation and accuracy at inputs above or below this range are not specified.

DATEL's DMS-20PC-DCM Series of self-powered, negative-reading, dc voltage monitors are great replacements for older, hard-to-read, analog meters. Simply connect a negative voltage across the rear terminals and the meters are fully operational! Negative-input DCM's can be easily combined with positive-reading DMS-20PC-DCM's for monitoring dual-polarity power supplies.

Three versions are available: one for -4.50 to -19.99Vdc (0.01V resolution), one for -18.0 to -50.0Vdc (0.1V resolution), and one for -30 to -264Vdc (1V resolution). Their large, 0.37"/9.4mm, bright red LED displays can be easily read from 15 feet away. Built-in reverse polarity protection assures simple, trouble-free installation.

All DMS-20PC-DCM's employ a high-resolution, 3½ digit A/D converter and precision metal-film resistors to achieve outstanding performance over an operating temperature range of -25 to +60°C. A rugged, epoxy-encapsulated, polycarbonate case provides excellent protection against moisture, shock and vibration.



Ordering Information

DMS-20PC-4-DCM	-4.50 to -19.99V dc voltage monitor
DMS-20PC-5-DCM	-18.0 to -50.0V dc voltage monitor
DMS-20PC-6-DCM	-30 to -264V dc voltage monitor
DMS-20-CP	Panel cutout punch
DMS-BZL3	Panel mount bezel assembly
DMS-BZL4	Panel mount bezel with sealing gasket

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



For full details go to
www.murata-ps.com/rohs



Dimensions in inches (millimeters)

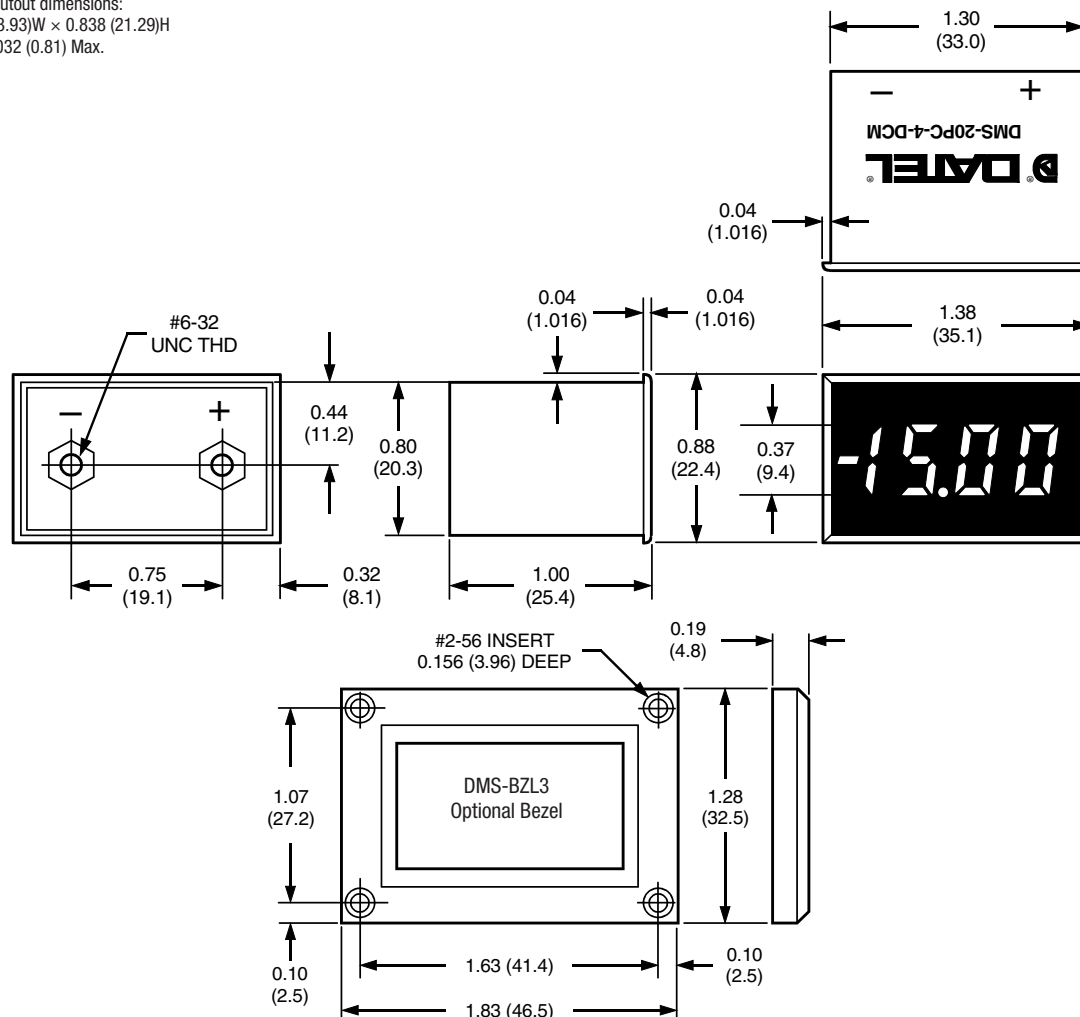
Tolerances: 2 PL Dec ± 0.02 (± 0.51)

3 PL Dec ± 0.010 (± 0.254)

Recommended panel cutout dimensions:

1.336 (33.93)W × 0.838 (21.29)H

Internal corner radii 0.032 (0.81) Max.



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 and 14001 REGISTERED

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

Canada: Toronto, Tel: (866) 740-1232, email: toronto@murata-ps.com

UK: Milton Keynes, Tel: +44 (0)1908 615232, email: mk@murata-ps.com

France: Montigny Le Bretonneux, Tel: +33 (0)1 34 60 01 01, email: france@murata-ps.com

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

China: Shanghai, Tel: +86 215 027 3678, email: shanghai@murata-ps.com

Guangzhou, Tel: +86 208 221 8066, email: guangzhou@murata-ps.com

Singapore: Parkway Centre. Tel: +65 6348 9096. email: singapore@murata-ps.com