

Self-Powered LED Display, Negative Input DC Voltage Monitor



FEATURES

Self-powered, only two connections required

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Murata Power Solutions

■ -4.5 to -20Vdc, -18 to -50Vdc, and -30 to -264Vdc models

Can be used with positve-reading DMS-20PC-DCM's

-4.50 to -19.99Vdc

-18.0 to -50.0Vdc

2.5 readings/second

±0.01V (typ.), ±0.03V (max.)

±0.1V(typ.), ±0.2V (max.)

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

1.38" x 0.88" x 1.00"

3 & 31/2 digit, red LED,

1 ounce (28 grams)

0.37"/9.4mm

Polycarbonate

-25 to +60°C

-40 to +75°C

0 to 95%

-30 to -264Vdc

13mA (max.)

7mA (max.)

±0.01V

±0.1V

 $\pm 1V$

- 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 DMS-20PC-5-DCM DMS-20PC-6-DCM Current Consumption: DMS-20PC-4/5-DCM DMS-20PC-6-DCM

Performance

Sampling Rate Resolution: DMS-20PC-4-DCM DMS-20PC-5-DCM DMS-20PC-6-DCM Accuracy @ +25°C: DMS-20PC-4-DCM DMS-20PC-5-DCM DMS-20PC-6-DCM

Mechanical Dimensions Display Type

Weight Case Material

Environmental

Operating Temperature Storage Temperature Humidity (Non-condensing)

0 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, $3\frac{1}{2}$ digit A/D converter and precision metal-film resistors to achieve outstanding performance over an operating temperature range of -25 to $+60^{\circ}$ C. A rugged, epoxy-encapsulated, polycarbonate case provides excellent protection against moisture, shock and vibration.



(User supplied)

Ordering Information

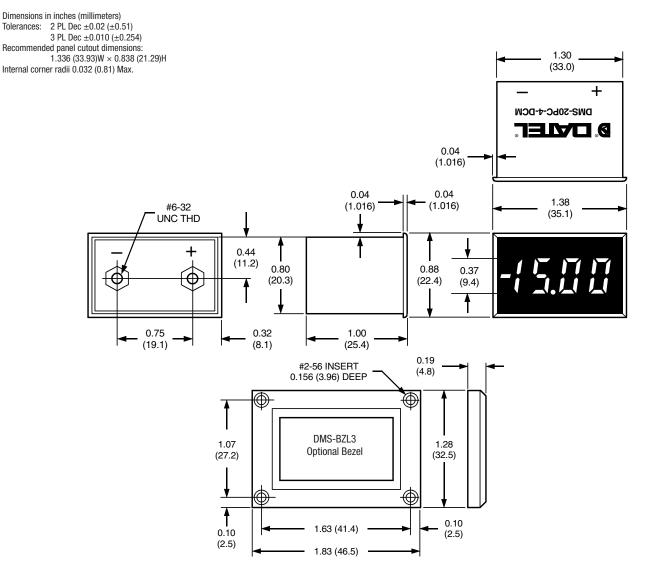
DMS-20PC-4-DCM DMS-20PC-5-DCM DMS-20PC-6-DCM DMS-20-CP DMS-BZL3 DMS-BZL4 -4.50 to -19.99V dc voltage monitor -18.0 to -50.0V dc voltage monitor -30 to -264V dc voltage monitor Panel cutout punch Panel mount bezel assembly Panel mount bezel with sealing gasket

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



DMS-20PC-4/5/6-DCM

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