



DMS-20PC-1-DCM

Self-Powered, Positive Input LED Display, DC Voltage Monitors

Features

- Self-powered, only two connections required
- +8.0-40.0Vdc
- Ideal replacements for analog panel meters
- 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
- Super reliable, epoxy-encapsulated, construction

Functional Specifications

Input

Voltage Range: +8.0 to 40.0 Vdc ①

Current Consumption:

DMS-20PC-1-DCM 13mA (max.)

Performance

Sampling Rate 2.5 readings/second

Resolution:

DMS-20PC-1-DCM ±0.1V

Accuracy @ +25°C:

DMS-20PC-0-DCM ±0.01V (typ.), ±0.03V (max.)

DMS-20PC-1-DCM ±0.1V (typ.), ±0.2V (max.)

Mechanical

Dimensions 1.38" x 0.88" x 1.00"
 Display Type 3 & 3/2 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 these ranges are not specified.

Ordering Information

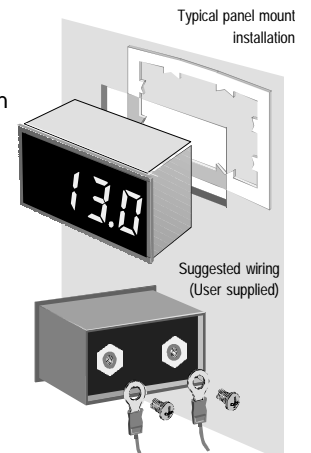
DMS-20PC-1-DCM +8.0 to +40.0V dc voltage monitor

DMS-BZL4 Panel mount bezel with sealing gasket

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

DATEL's DMS-20PC-DCM Series of self-powered, positive-reading, dc voltage monitors are great replacements for older, hard-to-read, analog panel meters. Simply connect a positive dc voltage across the rear terminals and the meters are fully operational — no additional components or power supplies are required! The large, 0.37"/9.4mm, bright red, LED displays can be easily read from 15 feet away.

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.



Mechanical Specifications

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 x 0.838 (21.29)H
 Internal corner radii 0.032 (0.81) Max.

