# 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.





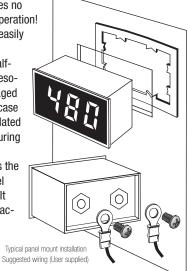
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from 350 to 600Vac (47-63Hz). The meter requires no external components or auxiliary power for full operation! Its large, 0.37<sup>-//</sup>9.4mm, bright red LED display is easily readable under virtually all lighting conditions. DMS-20PC-3-LM employs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

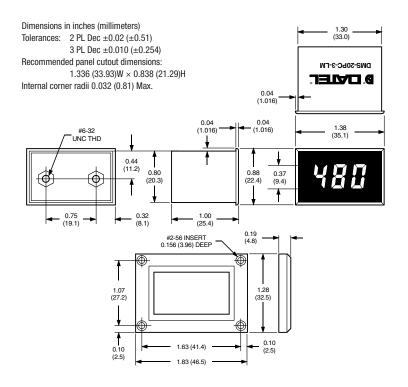
DMS-20PC-3-LM-C	350-600Vac line monitor with screw terminals and screws
DMS-BZL3-C	Panel mount bezel
DMS-BZL4-C	Panel mount bezel with sealing gasket
DMS-20-CP	Panel cutout punch

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

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