

NEW, Low-Power, LED-Display DPM's at LCD Power Levels

The superior, long-distance, all-angle "readability" of LED-display panel meters is now available at the low power levels of those hard-to-read LCD meters

- Current drains as low as 7mA (35mW)
- Bright red, orange or green displays
- Easily readable from 20 feet
- Single +5V supply
- 4 standard input voltage ranges
- Rugged, epoxy-encapsulated, 12-pin DIP packages*
- Panel or pc-board mountable
- Low cost! Made in the USA!

Digital Panel Voltmeters (Single +5V Supply)

| Resolution | DATEL Series | LED Color | Current Drain | Digit Height |
|--------------|--------------|-----------|---------------|--------------|
| 3 1/2 Digits | DMS-20PC | Red | 7mA | 0.37" |
| | | Red | 12mA | 0.56" |
| | DMS-30PC | Green | 60mA | 0.56" |
| | | Orange | 60mA | 0.56" |
| 4 1/2 Digits | DMS-40PC | Red | 35mA | 0.52" |

* Package dimensions: DMS-20PC 1.38" x 3.88" x 0.475" (35mm x 22mm x 12mm)
 DMS-30/40PC 2.17" x 3.92" x 0.56" (55mm x 23mm x 14mm)



Miniature, 4 1/2 Digit, BCD Input, Slave LED Displays

Low cost! Complete! No external components required!



DSD-40BCD Series

- Ideal for computer-based instruments
- Rugged, epoxy-encapsulated, 12-pin DIP packages
- Miniature size: 2.17" x 0.92" x 0.56"
 55mm x 23mm x 14mm
- Built-in color filters and bezels
- Single +5V supply, TTL compatible
- Low-power model, 35mA (175mW)
- Large (0.52"/13.2mm), matched-intensity displays
- Choice of red, low-power red or green LED's
- Minus sign and decimal points included
- PC-board or panel mountable

Panel Meter Product Line Summary

World's smallest Digital Voltmeters
Encapsulated 12-pin DIP packages
Moisture and vibration proof

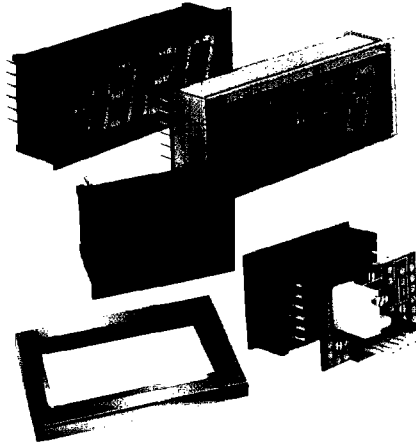
Low cost, high performance
± 1 count typical accuracy

Large, highly visible displays
7 bright LED colors
Backlit LCD's for day/night operation

4 standard input ranges
± 200mV, ± 2V, ± 20V, ± 200V

Low-power LED's - a DATEL exclusive
As low as 7mA from +5V
Ideal for portable instruments

Panel or pc-board mountable
Integral color filter bezels
Optional external bezels



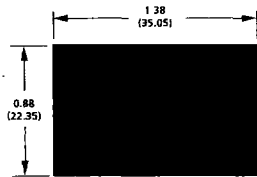
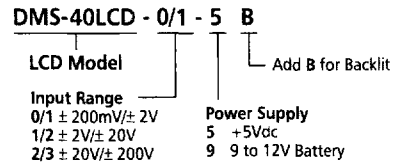
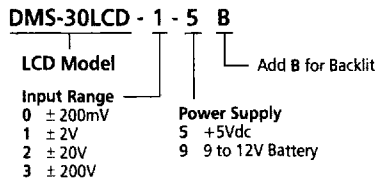
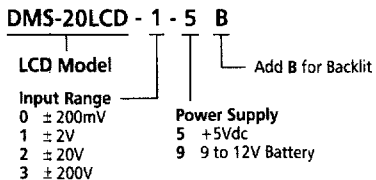
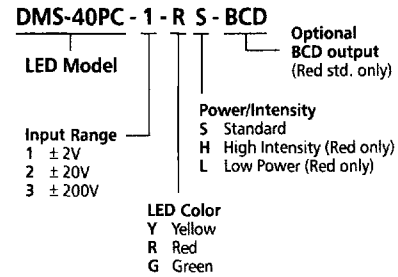
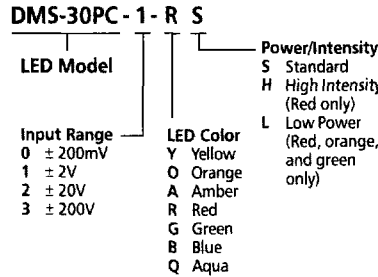
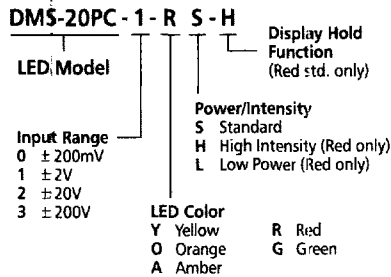
Optional signal conditioning boards and accessories

- DMS-EB Multipurpose (4-20mA, gain/offset adjust, etc.)
- DMS-EB2 Multipurpose board for DMS-20 Series
- DMS-EB-AC/DC For ac line-powered applications
- DMS-EB-DC/DC Provides isolated +5V power
- DMS-EB-HTB Temperature probe sensing for 200mV models
- DMS-EB-LP For 4-20mA loop-powered applications
- DMS-EB-RMS For true rms measurements of ac voltages
- DMS-EB-TCJ J-type thermocouple inputs for ± 2V models
- DMS-EB-TCK K-type thermocouple inputs for ± 2V models
- DMS-BZL1 DMS-30 & DMS-40 bezel assembly
- DMS-BZL2 DMS-30 & DMS-40 bezel assembly with sealing gasket
- DMS-BZL3 DMS-20 bezel assembly
- DMS-BZL4 DMS-20 bezel assembly with sealing gasket
- DMS-20-CP DMS-20 panel cutout punch
- DMS-30-CP DMS-30 & DMS-40 panel cutout punch

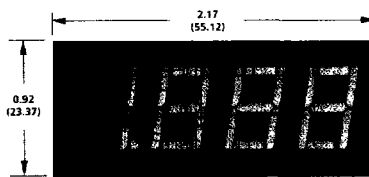
Order full-line catalog for more details

Ordering Guide

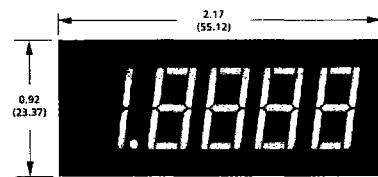
| DMS-20 SERIES | DMS-30 SERIES | DMS-40 SERIES |
|---|--|--|
| 3 1/2 Digit Subminiature Digital Voltmeters | 3 1/2 Digit Miniature Digital Voltmeters | 4 1/2 Digit Miniature Digital Voltmeters |



CASE DEPTH LED: 0.475 in. (12.07mm)
LCD: 0.425 in. (10.80mm)
DIGIT HEIGHT LED: 0.37 in. (9.4mm)
LCD: 0.37 in. (9.4mm)



CASE DEPTH LED and LCD BACKLIT: 0.56 in. (14.22mm)
LCD: 0.43 in. (10.92mm)
DIGIT HEIGHT LED: 0.56 in. (14.2mm)
LCD: 0.40 in. (10.2mm)



CASE DEPTH LED and LCD BACKLIT: 0.56 in. (14.22mm)
LCD: 0.43 in. (10.92mm)
DIGIT HEIGHT LED: 0.52 in. (13.2mm)
LCD: 0.40 in. (10.2mm)

Complete product line catalog, with 16 Ap Notes, can be ordered through your local DATEL representative.

