

SINGLE-CHANNEL, PORTABLE STRAIN GAGE MONITORING SYSTEM



DMD-21, \$2715, shown smaller than actual size.



DMD-21SB, \$1975, shown smaller than actual size.

DMD-21 Series
\$2715



- ✓ Highly Stable Measurement
- ✓ Battery and AC Power
- ✓ Reads Directly in Microstrain and Engineering Units

Reading strain gages with the OMEGA® DMD-21 is easy, enabling the user to concentrate on stress analysis. The DMD-21 contains bridge completion resistors, allowing direct wiring of quarter- and half-bridges. Since the DMD-21 accepts bridge inputs, load cells and pressure transducers can be monitored in the user's choice of engineering units. Static readings are displayed on the unit, while dynamic

strains can be monitored via the analog output.

The optional switch box (DMD-21SB) is a perfect companion to the DMD-21 when taking multiple strain gage measurements. The DMD-21SB offers independent zeroing of each channel and of the bridge completion resistors.

SPECIFICATIONS

- Linearity:** 0.02% FS
- Range:** ±19,999 $\mu\epsilon$
- Zero Balance:** 50% FS
- Resolution:** 1 $\mu\epsilon$
- Excitation:** 2, 5 or 10 Vdc
- Bridge Type:** ¼, 120 and 350 Ω ; ½ and full, >120 Ω (internal bridge completion resistors)
- Gage Factor:** 1 to 2.99

Operating Temp: 5 to 35°C (41 to 95°F)

Thermal Effects: Zero, 0.3 $\mu\epsilon/^\circ\text{F}$ (0.5 $\mu\epsilon/^\circ\text{C}$); span, 0.003% rdg/ $^\circ\text{F}$ (0.0005% rdg/ $^\circ\text{C}$)

Analog Output: ±2 Vdc (over ±20,000 IE, DC to 20 kHz)

Input Impedance: 1000 M Ω

Power: 115 or 230 Vac @ 50/60 Hz; Ni-Cad batteries (included), 40 hours/charge

Dimensions:

DMD-21: 111.7 H x 304 W x 457 mm D (4.4 x 12 x 18")

DMD-21SB: 161 H x 485 W x 236 mm D (6.311 x 19.11 x 9.311")

Connection: Rear screw terminals

Weight: 5 kg (11 lb) [DMD-21SB, 5 kg (11 lb)]

MOST POPULAR MODEL HIGHLIGHTED!

To Order (Specify Model Number)

MODEL NO.	PRICE	DESCRIPTION
DMD-21	\$2715	Portable strain gage meter
DMD-21SB	1975	10-channel switch

Comes with operator's manual.

Ordering Example: DMD-21, single-channel portable strain gage meter, \$2715.



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