

# 10-CHANNEL PORTABLE STRAIN GAGE MONITORING SYSTEM



## DMD-22 Series



DMD-22, shown smaller than actual size.

- ✓ Reads Directly in Microstrain and Engineering Units
- ✓ Independent Zeroing on Each Channel
- ✓ High Accuracy and Resolution

The DMD-22 is a portable, 10-channel strain gage system that combines the powerful features of the DMD-21 and DMD-21SB. Independent zeroing on each channel eliminates subtracting unstrained readings to arrive at true strained results. Pushbutton front keys and clearly labeled switches ensure accurate strain gage measurements.

Selectable bridge configuration via internal fixed resistors avoids complex and time-consuming external bridge completion. Readings in microstrain take the mystery out of transposing millivolts to strain.

### SPECIFICATIONS

**Linearity:** 0.02% FS  
**Range:**  $\pm 19.999 \mu$   
**Zero Balance:** 50% FS  
**Resolution:** 1  $\mu$   
**Excitation:** 2, 5 or 10 Vdc  
**Bridge Type:** 1/4, 120 and 350  $\Omega$ ; 1/2 and full, >120  $\Omega$  (internal bridge completion resistors)  
**Gage Factor:** 1 to 2.99  
**Operating Temp:** 5 to 35°C (41 to 95°F)

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

**Analog Output:**  $\pm 2$  Vdc (over  $\pm 20,000 \mu$ , DC to 20 kHz)

**Input Impedance:** 1000 M $\Omega$

**Power:** 115 or 230 Vac @ 50/60 Hz; lead-acid rechargeable batteries (included), 8 hours

**Dimensions:** 419 W x 152 H x 356 mm D (16.5 x 6 x 14")

**Connections:** Rear screw terminals  
**Weight:** 7 kg (15.5 lb)

### To Order

MODEL NO.	DESCRIPTION
DMD-22	Portable 10-channel strain gage monitor

Comes with operator's manual.

Ordering Example: DMD-22, portable, 10-channel strain gage monitor.