

BRIDGE COMPLETION MODULE

BCM-1



BCM-1, shown actual size.

- ✓ Internal Bridge Balance Adjustment for Nulling Out Unstrained Conditions
- ✓ ¼ Bridge Completion for 120 or 350 Ω Strain Gages
- ✓ ½ Bridge Completion for Gages of Any Resistance
- ✓ 5 ppm Temp Coefficient Resistors for High Temperature Stability

The BCM-1 bridge module completes the Wheatstone bridge circuit. The module can be used for quarter-bridge measurements with 120 or 350 Ω gages, or for half-bridges with gages of any resistance. A bridge-balance-adjustment potentiometer zeros the bridge output. Strain gage, excitation, and output signals are connected via screw terminals. Quarter-bridges with 2- or 3-wire hookup can be accommodated.

SPECIFICATIONS

Maximum Excitation:
 120 Ω Bridge: 10 Vdc
 350 Ω Bridge: 16 Vdc
Temperature Limits: -20 to 80°C
 (-4 to 176°F)
Temperature Effects: ±1.5 μV/V/°C
Zero Adjust: ±6 mV/V
Resistor Tolerance: ±0.1%

Resistor Temp Coefficient: 5 ppm/°C

Dimensions:
 50.8 W x 31.8 H x 25.4 mm D
 (3 x 1.25 x 1")

Mounting Holes: 4.4 mm (0.175")
 holes (2) on 63.5 mm (2.5") center

To Order

MODEL NO.	DESCRIPTION
BCM-1	Strain gage bridge completion module

Comes complete with operator's manual.

Ordering Example: BCM-1, strain gage bridge completion module.