

# BRIDGE COMPLETION MODULE

BCM-1  
\$69



BCM-1, \$69, 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

**AVAILABLE FOR FAST DELIVERY!**

To Order (Specify Model Number)		
MODEL NO.	PRICE	DESCRIPTION
BCM-1	\$69	Strain gage bridge completion module

Comes complete with operator's manual.  
 Ordering Example: BCM-1, strain gage bridge completion module, \$69.



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