

Pocket Calibrator

FEATURES

- Low cost, on-site calibration and servicing
- 4 selectable ranges: 0, 1, 2, and 3 mV/V
- Calibrate any strain gage based transducer indicator
- Rugged, pocket size case

APPLICATIONS

- Portable load cell/weigh system simulator

DESCRIPTION

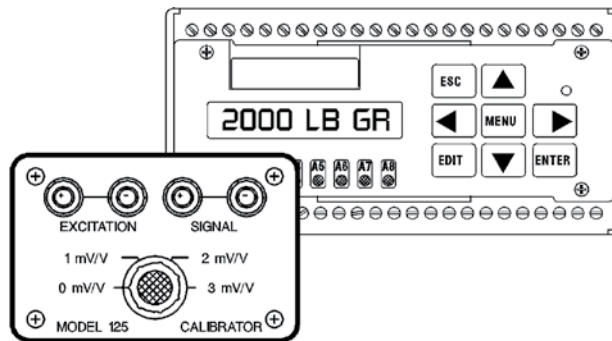
Model 125 Pocket Calibrator is a portable, lightweight simulator designed to supply millivolt-per-volt level signals for testing, calibrating, and troubleshooting load cell/scale indicators. Precise output references for 0, 1, 2, or 3 mV/V are achieved by using a metal film resistor network, discrete wire wound resistors, and a 2-pole, 4-position rotary switch.

The 350 Ω input and output impedance matches typical strain gage devices. Four permanent binding posts, integral to the rugged palm-size case, provide connection points for the indicator or transmitter.



Model 125 units substitute for platform or scale transducers. Lightweight construction, compact size, and good accuracy make the Model 125 Calibrator an excellent choice for calibrating, spot-checking, or troubleshooting any electronic weigh system.

CONFIGURATION



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SPECIFICATIONS		PARAMETER		VALUE	
Output Accuracy	0.02% of selected range	Output Ranges	4 steps: 0, 1, 2, and 3 mV/V		
Accuracy Stability	better than 0.01% in 24 hours better than 0.02% in 1 year	Input Voltage Level	25 VDC max.		
Zero Stability	less than 3 μ V	Operating Temperature Range	32°F to 120°F (0°C to 50°C)		
Span TC	\pm 10 ppm/°C	Dimensions, LxWxH	3.3x2.35x1.4 in.		
Input Impedance (Excitation)	1000 Ω \pm 0.05%	Unit Weight	4.8 oz		
Output Impedance (Signal)	350 Ω \pm 0.08%				

DIMENSIONS in inches

The technical drawings include a top view showing a 2.21 inch height and 3.35 inch width, with terminals for Excitation (1 mV/V, 0 mV/V) and Signal (2 mV/V, 3 mV/V). A side view shows a 2.49 inch height and terminal spacing of 0.75, 0.65, and 0.75 inches. An interconnect wiring diagram shows terminal shapes and a color code for jumpers: Green for + Excitation, Orange for + Sense, White for + Signal, Red for - Signal, Blue for - Sense, and Black for - Excitation. A bottom view shows a 1.40 inch width and 1.56 inch height.

Interconnect Wiring Diagram

JUMPERS	SIGNAL	COLOR*
	+ Excitation	Green
	+ Sense	Orange
	+ Signal	White
	- Signal	Red
	- Sense	Blue
	- Excitation	Black

*Typical BLH Load Cell Color Code

BLH Nobel is continually seeking to improve product quality and performance. Specifications may change accordingly.