

## Precision Calibrator

### FEATURES

- Portable, on-site calibration and servicing—accurate to 0.02% of selected range
- Eight selectable ranges: 0, 0.5, 1.0, 1.5, 2.0, 2.5, 3.0, and 3.5 mV/V
- Three bridge impedance selections: 350, 700, or 1000  $\Omega$
- Calibrate any strain gage based instrument or transmitter
- Rugged, impact resistant aluminum case

### APPLICATIONS

- Testing, calibrating, and troubleshooting process weigh system instrumentation

### DESCRIPTION

The Model 325 precision calibrator supplies high accuracy millivolt-per-volt level signals for testing, calibrating, and troubleshooting process weigh system instrumentation. Precise output reference selections from 0 to 3.5 mV/V are achieved by using a metal film resistor network, discrete wire wound resistors, and a 2-pole, 8-position rotary switch. Input and output impedance values of 350, 700, and 1000  $\Omega$  are selectable to simulate all typical strain gage transducers. Four permanent binding posts, integral to the rugged aluminum case, provide connection points for the instrument or transmitter.

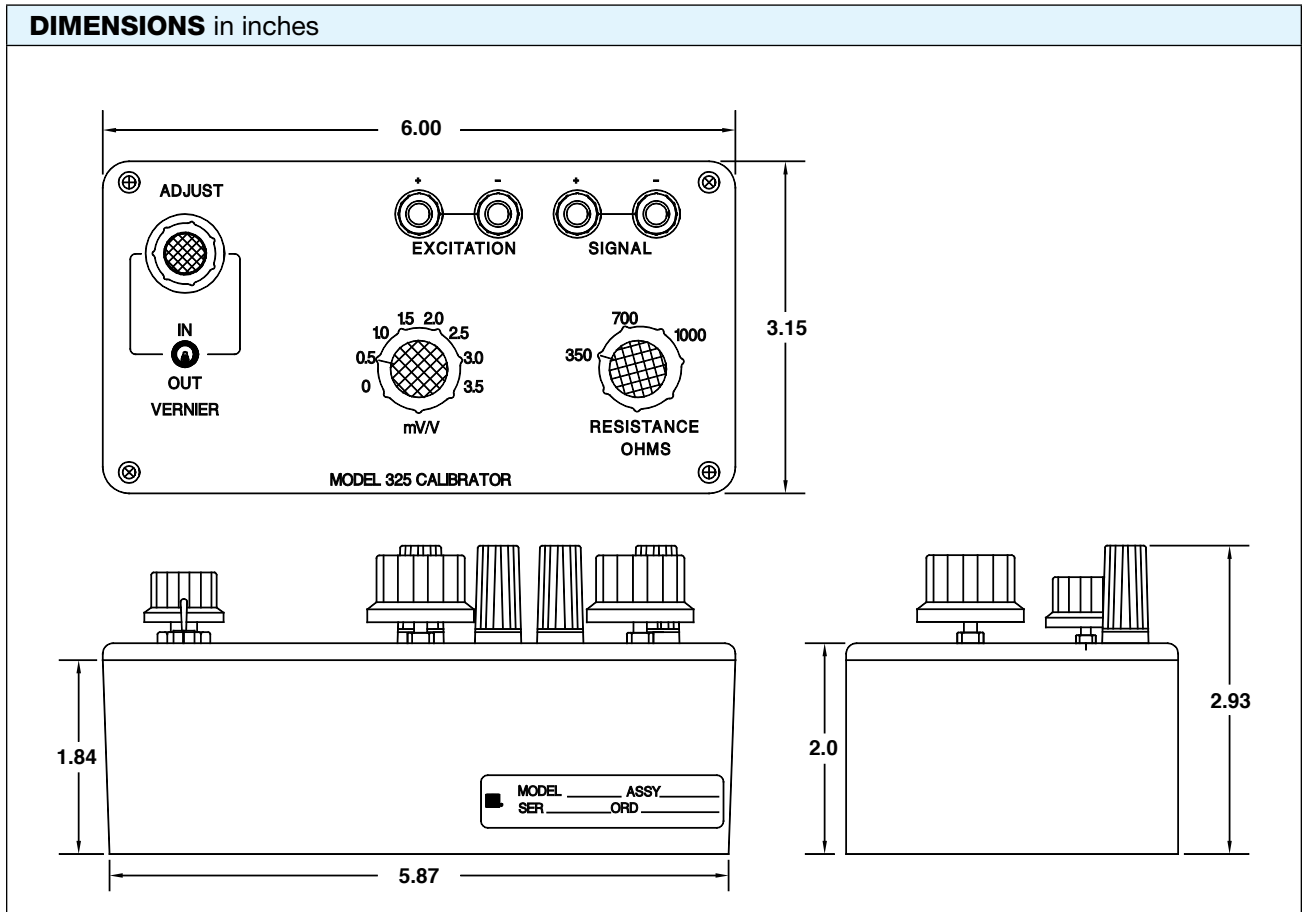


A built-in vernier adjustment provides a mV/V output signal from 0 to 106% of the selected range. Full range simulation tests setpoint cutoffs, auto-tare, auto-zero, overload, and other crucial instrument functions without loading the system.

The Model 325 unit substitutes for single or multiple system transducers. Lightweight construction, compact size, and superior accuracy make the Model 325 calibrator an excellent choice for calibrating, spot-checking, or trouble shooting weigh systems in any environment.

SPECIFICATIONS		PARAMETER		VALUE	
<b>PERFORMANCE</b>		<b>PARAMETER</b>	<b>VALUE</b>		
<b>Output Accuracy</b>	0.02% of selected range	<b>Input Voltage Level</b>	25 VDC maximum		
<b>Accuracy Stability (0.5 and 1 mV/V steps)</b>	less than 0.01% in 24 hours less than 0.02% in 1 year	<b>Operating Temperature Range</b>	32°F to 120°F (0°C to 50°C)		
<b>Zero Stability</b>	less than 3 $\mu$ V	<b>Vernier Range</b>	up to 106% of selected step		
<b>Span TC</b>	$\pm$ 10 ppm/°C	<b>Impedance Adjustmen</b>	350, 700, or 1000 $\Omega$		
<b>Input Impedance (Excit.)</b>	adjustable to $\pm$ 0.05%	<b>MECHANICAL</b>			
<b>Output Impedance (Signal)</b>	adjustable to $\pm$ 0.08%	<b>Dimensions, LxWxH</b>	6 x 3.2 x 1.8 in.		
<b>Output Ranges</b>	8 steps: 0, 0.5, 1.0, 1.5, 2.0, 2.5, 3.0, and 3.5 mV/V	<b>Unit Weight</b>	15.7 oz		

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



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