

Precision Calibrator

FEATURES

- Accurate to 0.05% of reading
- Precisely calibrates full bridge strain gage and transducer instrumentation
- Five ranges – 55 calibration points
- Test/confirm instrument peak/valley, auto tare, and auto zero circuitry

APPLICATIONS

- Precise calibration for 120- and 350-ohm systems

DESCRIPTION

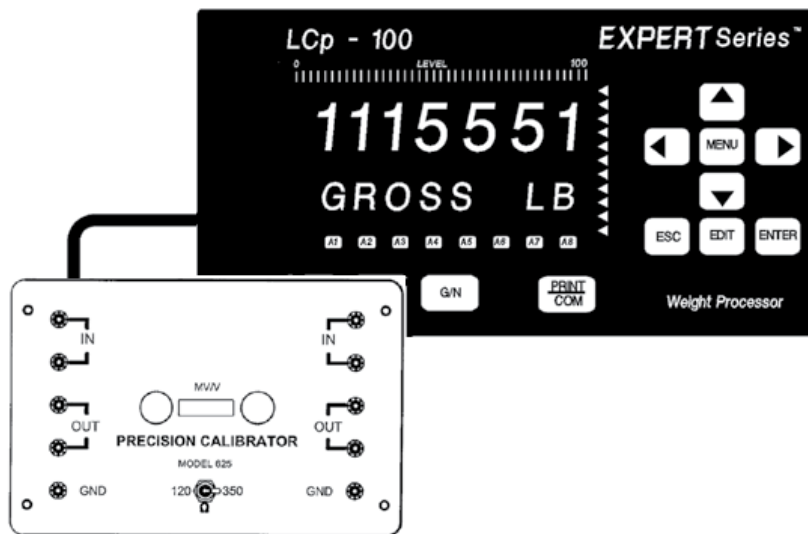
The Model 625 Precision Calibrator is a compact, high-accuracy, portable resistance network specifically designed to simulate the output of full bridge strain gage type transducers. Through the use of a highly stable resistance network, the calibrator provides an accurate method of simulating a 120-ohm or 350-ohm transducer system. This circuitry provides 55 precision mV/V output signals in five ranges of 11 settings each.

When powered with a known regulated voltage, the calibrator can substitute for one or more transducers to check the calibration, linearity, sensitivity, or for general troubleshooting of an indicator, recorder, or a complete load or force measuring system.

The Calibrator can also be used with a known DC or AC supply for checking and calibrating any millivolt or millivolt/volt instrument.

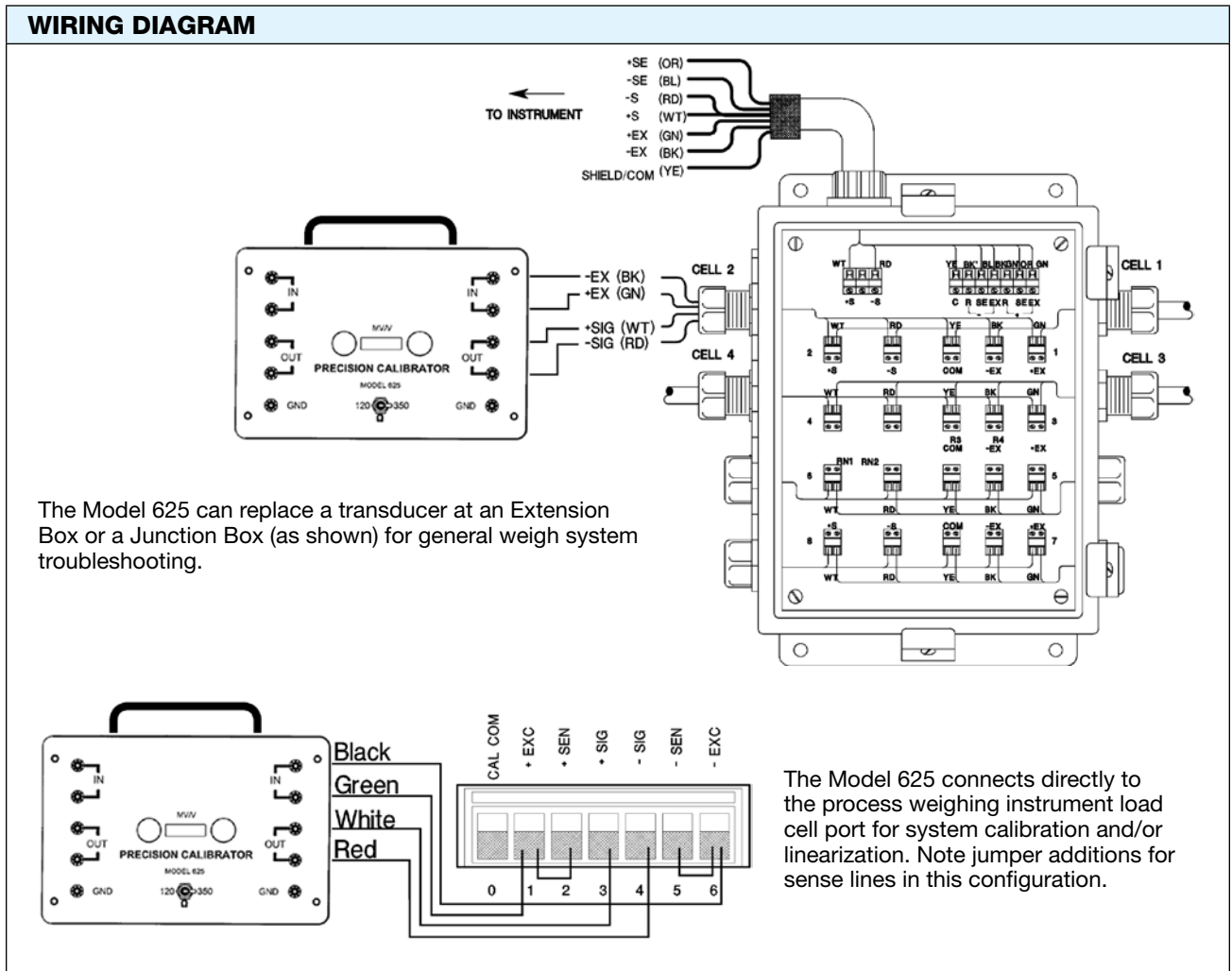


CONFIGURATION



Precision Calibrator

SPECIFICATIONS		PARAMETER		VALUE	
Output Accuracy	Each point accurate to 0.05% of reading, or 0.02% of range, or 0.003 mV/V, or ±2 mV, which ever is greater	Zero Stability	Less than 2 µV		
Output Ranges	0–0.5 mV/V in 10 steps of 0.05 mV/V each 0–1 mV/V in 10 steps of 0.1 mV/V each 0–2 mV/V in 10 steps of 0.2 mV/V each 0–5 mV/V in 10 steps of 0.5 mV/V each 0–10 mV/V in 10 steps of 1.0 mV/V each	Calibration Stability	Less than 0.02%/year		
		Bridge Resistance	120 Ω or 350 Ω Input		
		Voltage Level	120 Ω: 0–12 VDC; 350 Ω: 0–25 VDC		
		Operating Temp.	0–120°F (18–49°C)		
		Dimensions, HxWxD	6×9×6 in. (152.4×228.6×152.4 mm)		
		Weight	3.75 lbs (1.7 kg)		



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