



Morehouse
THE FORCE IN CALIBRATION SINCE 1925

Portable Calibrator

✓ Quick adjustment of working space

✓ Available Quick-Change Tension Adapters for various instruments

✓ Reference standards available at various capacities and accuracies

✓ Included Accessories for Calibrating Compression Only Instruments



✓ Both compression and tension calibration modes in a single setup

✓ Capable of calibrating a variety of equipment

✓ Fine load control capability as low as 0.005 lbf



Standard Features

- » Portable and benchtop calibrating machine weighs less than 34 lbs (w/o reference standard)
- » Capable of calibrating a variety of equipment such as: load cells, ring force gauges, hand-held digital force gauges, etc.
- » Included bearing block and ball seat for calibrating compression only load cells
- » Capable of controlling force at very fine level depending on the reference standard (control load to as low as ± 0.005 lbf with a 500 lbf reference standard) Calibration to Primary deadweight standards available
- » Compatible with Morehouse Quick-Change Tension adapters at different sizes for calibrating various instruments
- » Morehouse Shear Web Load Cells available as reference standard from 100 lbf to 2000 lbf
- » Available protective case which contains the Portable Calibrator as well as all the instruments and accessories

* Special adapters might be required to calibrated certain instruments in the Morehouse Portable Calibrator. The setup pictured above includes a Morehouse L-Bracket designed to calibrate hand-held digital force gauges. This adapter is not included with Morehouse Portable Calibrator. However, a value kit consisting of various L-Brackets for multiple hand-held force gauges is available for purchase.



Technical Specifications

Specifications	Portable Calibrator
	Model: PCM2K
Calibration Capabilities	
Reference Standards Available	100 to 2000 lbf
Control Resolution*	±0.001 % of Ref Standard Capacity
Loading Mode	Compression and Tension
Loading Direction	Ascending and Descending
Mechanical	
Loading Capacity	2000 lbf
Coarse Adjustment Increments	1.5 in.
Maximum Stroke	3.5 in.
Jack Turns to Raise 1 inch	100
Weight (w/o Standard)	34 lbs
Standard Mounting Thread	0.625"-18, UNF-3B
Dimensions	
Overall Dimensions (WxDxL)	12 x 5 x 26 in.
UUT Working Area (WxL)	9.25 x 10.5 in.

* Example: If the calibrating machine is equipped with a 1000 lbf standard reference load cell with 2.0 mV/V rated output, the control capability of the machine would be ±0.01 lbf or ± 0.00002 mV/V.