



Standard Features

- » Portable and benchtop calibrating machine weighs less than 34 lbs. (w/o reference standard)
- » Capable of calibrating various 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 a 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 are available as reference standards from 100 lbf to 2000 lbf.
- » An available protective case contains the Portable Calibrator and all the instruments and accessories

* Special adapters might be required to calibrate specific instruments in the Morehouse Portable Calibrator. The above setup includes a Morehouse L-Bracket 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: PCM-2MD-02 |
| 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 Threads | 0.625"-18, UNF 0.250"-28, UNF |
| Dimensions | |
| Overall Dimensions (WxDxL) | 12 x 5 x 39 in. |
| UUT Working Area (WxL) | 9.25 x 19.5 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.