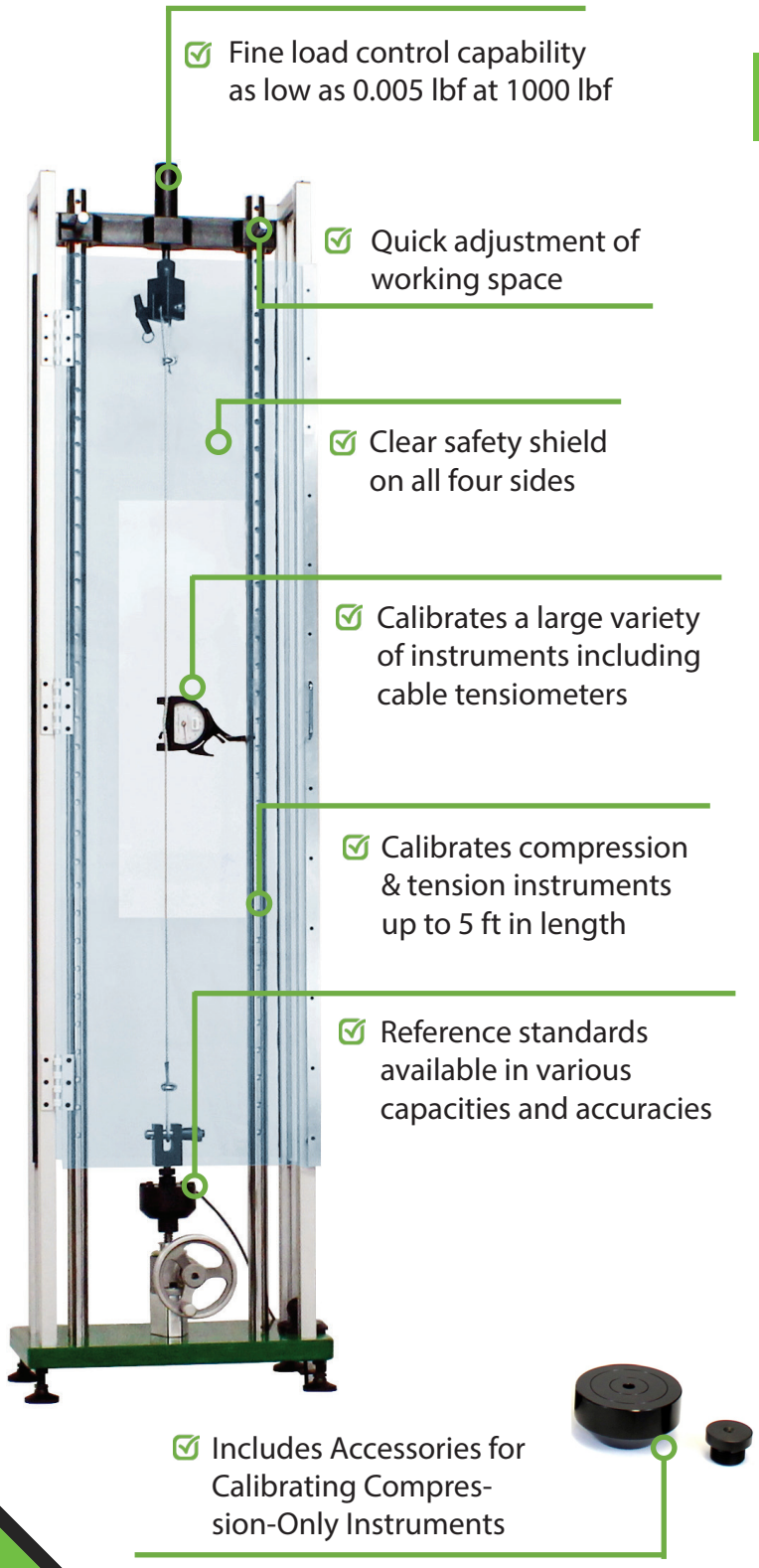
Morehouse®
THE FORCE IN CALIBRATION SINCE 1925

Mechanical Tensiometer Calibrator Datasheet

(PD-5404)



Standard Features

- Tensiometer Calibrating Machine, Model PCM-2MD-T1, can calibrate cable tension meters up to 2000 lbf capacity
- Clear safety shield on four sides with a 9 x18-inch cutout to allow operator to calibrate cable tensiometers safely
- Eliminates the need for carrying and stacking hand weights by technicians
- Tensiometer calibration performed on long cable sizes (up to 5 ft) for maximum accuracy and repeatability
- Calibrates other large and small force instruments, including load cells, crane scales, handheld force gauges, dynamometers, ring force gauges, etc.
- Quick adjustment of the calibration space opening for switching to new setups
- High accuracy force reference standards calibrated with Morehouse deadweight systems
- Several adapters and fixtures available for calibrating different types of instruments
- Provides exceptionally fine control on the applied force to calibrate at any desired force point
- Compatible with Morehouse Adaptable Clevis Kits, these kits allow for calibrating several types of dynamometers and crane scales with only one set of clevises

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Technical Specifications

Specifications	Tensiometer Calibrator Model: PCM-2MD-T1
Calibration Capabilities	
Reference Standards Available	10 to 2,000 lbf
Control Resolution*	±0.001 % of Ref Standard Capacity
Loading Mode	Compression and Tension
Loading Direction	Ascending and Descending
Mechanical	
Loading Capacity	2,000 lbf
Quick Adjustment Increments	2.0 in.
Maximum Stroke	4.0 in.
Weight with reference standard	260 lbs
Mounting Thread in Standard Reference	0.625”-18, UNF-2B
Standard Handwheel Diameter	6 in.
Jack Turns to Raise 1 inch	100
Dimensions	
Overall Dimensions (W x D x L)	22 x 13 x 87 in.
UUT Working Area (W x L)	11-7/8 x 66 in.
Maximum Tensiometer Cable Length	5 ft

* Example: If the calibrating machine is equipped with a 1,000 lbf Morehouse Ultra-Precision 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.