

Load Cells



Morehouse Universal Calibration Grade Load Cells

Morehouse Universal Calibration grade load cells are from 500 LBF to 100,000 LBF.

ASTM-E74 Class AA lower limit around 10% of range in compression and tension when calibrated in mv/V or combined with the Morehouse load cell meter model 4215 or comparable meter.

ASTM-E74 Class A lower Limit around 2% of range in compression and tension.

Uncertainties of around 0.005% of capacity in compression and tension when combined with the morehouse load cell meter model 4215.

NOTE: Morehouse Calibration Grade Load Cells above 50,000 LBF will have a guaranteed uncertainty of around .01% of capacity or better (Class AA lower limit of better than 20%). Morehouse is the only accredited commercial laboratory that can calibrate class AA lower limits up to 120,000 LBF.

Morehouse Precision Calibration Grade Load Cells

Morehouse High Precision Universal Load Cells from 500 LBF to 200,000 LBF.

Guaranteed ASTM-E74 Class A lower limit better than 4 %of range in compression and tension when combined with the morehouse load cell meter model 4215.

NOTE: Morehouse Precision Calibration Grade Load Cells above 100,000 LBF will have a guaranteed uncertainty better than .025% of capacity.

Morehouse General Purpose Calibration Load Cells

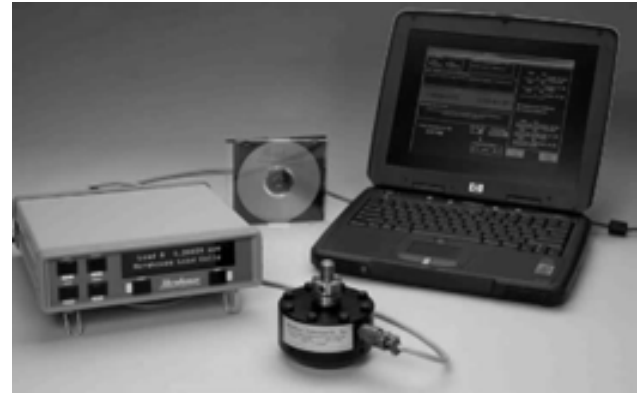
Morehouse Load Cells from 500 LBF to 200,000 LBF. First choice for structural and materials testing.

Guaranteed ASTM-E74 Class A lower limit better than 8% of range in compression and tension when combined with the morehouse load cell meter model 4215 or comparable meter.

NOTE: We also sell higher capacity load cells, dual bridge load cells and s-beam load cells and will Guarantee a Class A lower limit of better than 10% of capacity from 300 LBF to 1,000,000 LBF when combined with the Morehouse load cell meter model 4215.

Morehouse Load Cells are Black in color. Custom painting is available per additional charge if we do not stock the desired color paint.

Load Cell Meter



4215 Load Cell Meter with Fully Bipolar Range +/-999,999 Display, 24 bit resolution, Auto Setup for 25 Load Cells

FEATURES

- Fully Bipolar Range +/-999,999 Display
- 24-Bit Resolution
- Non-linearity 0.005%
- 2-line X 20 Character Vacuum Fluorescent Display
- Auto Load Cell Identification
- User Input Text Label on Second Line of Display
- Auto Setup for 25 Load Cells
- Front Panel Shunt Calibration with Two Selectable Resistors
- Functions Included: Peak / Valley / Hold / Tracking / Peak Reset
- Quad Limits Output: Independent, Isolated Solid State Relays, Controls AC or DC Signals
- Six User-Selectable Filters
- Tri-state Limit Display: On, Off, Disabled
- Automatic Display Unit Conversion: Lb, Kg, N Psi, Mpa, Klb, Kn, t
- D/A Output: 10V std; 5V
- Direct Analog Amplifier Output
- RS485 std.
- Full Operation and Calibration via RS232
- 5-Point Linearization

OPTIONAL FEATURE (pictured above)

MOREHOUSE SOFTWARE TO ALLOW MODEL 4215 TO BECOME DIRECT READING UNIT IF CALIBRATED IN mv/V (This requires the user to have a laptop with RS232 or USB port and uses coefficients generated from the calibration report to read in direct engineering units of LBF, KGF, or N).