

Morehouse Direct Reading Load Cell Systems

For ASTM E74, ISO 376 and other force measuring systems.



Direct reading in accordance to ASTM-E74 and ISO 376 when using a computer interface indicator and Morehouse custom software.

The Morehouse software eliminates the need for load tables. This system was designed to make calibration easier for the user, by entering the coefficients from a calibration report into the software, which applies them to the mV/V signal of the indicator, and indicates in engineering units.

Pictured left: MH HADI-USB indicator, Ultra-Precision load cell, and computer with Morehouse software for data logging and conversion to engineering units.

A Morehouse 4215 high accuracy benchtop indicator (pictured right) may also be used in place of the computer interface/software.



Advantages:

The system's "AS RECEIVED" calibration is the same as the system's "AS RETURNED" calibration, no adjustments to the indicator are needed. The system is setup so that the load cell's native output in mV/V is used to characterize the load cell during calibration. Then, when the load cell is calibrated again, the new calibration coefficients are entered using the data supplied by Morehouse. The calibration data report issued is always in mV/V.

Both systems (computer/benchtop) are true direct reading systems that comply with ASTM E74 or ISO 376, using coefficients from calibration reports to generate the value for the load applied. The end user can read direct engineering units in lbf, kgf, kN, or Newtons.

Morehouse Load Cells



Morehouse load cells are available in several models. The Ultra-Precision model is the preferred choice for Calibration Laboratories. The susceptibility to eccentric loading is reduced by trimming the cell with the threaded adapter installed.

The Morehouse Ultra-Precision model load cell has guaranteed accuracy of 0.005 % of capacity, or better, and ASTM Class A lower limit of 2 % of capacity, or better. This cell meets ISO 376 Class 00 requirements

Pictured: Morehouse Ultra-Precision shear-web type load cell.

Contact a Morehouse representative today info@mhforce.com