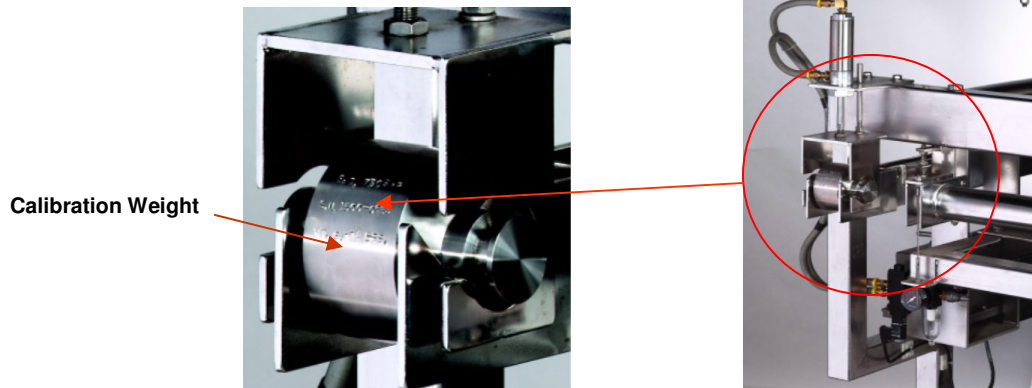




**BUILT SMART
BUILT TO SURVIVE**

Automated Test Weight Lifter for THAYER “Cable Scales”



More and more weigh feeders are being used in conjunction with statistical process control where performance records are routinely generated and delivered with the product as required by a customer’s quality assurance program. Such a record should contain a “validation of scale calibration” step to be truly meaningful as a quality assurance tool. Thayer Scale’s automatic test weight lifter (“ATWL”) provides a means for automatically applying a known test load and going through a calibration sequence on computer or push-button demand to check scale calibration. A “foolproof” self-checking software algorithm in the feeder control instrumentation prevents erroneous calibration.

The test weight calibration method has proven accurate and reliable over decades of in-plant use. Unlike material sampling, it is always clean, fast and safe. Unlike electronic signal simulation, it actually tests the performance of critical electro-mechanical components under the full deflection range of the load cell.

THAYER ATWL Features:

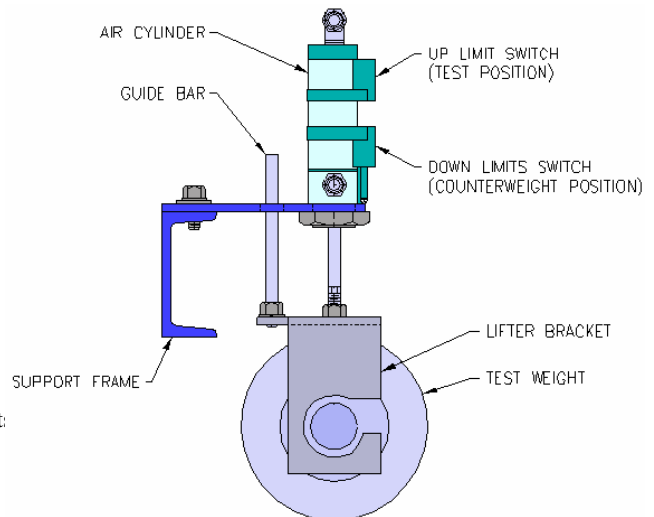
- Auto Zero Calibration Check
- Auto span calibration Check
- Auto adjustment of zero and span errors
- History of past calibration results stored in instrument for trending and determination of required calibration interval.

ATWL Benefits:

- Self-storing Test Load can’t be misplaced
- Minimizes downtime for calibration checks
- Assures that correct test load is always applied
- Eliminates risk of operator injury from lifting and placing test weight.
- Permits full calibration from remote location
- Permits verification of active measurement range

Alternate Methods of Calibration :

- Electronic Signal Simulation: Fast, but does not apply load to scale.
- Test weight: loads scale mechanism, difficult to use, storage can be a problem, time consuming, hard to handle for large feeders.
- Material Test: Very time consuming, and accuracy of calibration is subject to accuracy of sampling method and accuracy of scale used to weigh samples.



Thayer Scale-Hyer Industries, Inc.

P.O. Box 669, 91 Schoosett Street, Pembroke, MA 02359

Ph: (781) 826-8101 FAX: (781) 826-7944

E-MAIL Sales@ThayerScale.com