



MSNST CANISTER LOAD CELLS



Measurement Specialists Inc, dba National Scale Technology, manufactures canister and column-style load cells optimized to weigh between 100 and 10,000,000 pounds for axial compression and tension applications. On-site engineers and technicians allow for customized bridge, excitation, output, and wiring configurations.



MSNST Drawing #

11XXXXX

Compression Canisters



Capacities 100 — 10,000,000 LBS

Temperature Ranges 10°F — 115°F

Nonlinearity Ranges 0.04% — 0.40%

Repeatability Ranges 0.02% — 0.10%



12XXXXX

Universal Canisters



Capacities 200 — 300,000 LBS

Temperature Ranges 10°F — 115°F

Nonlinearity Ranges 0.03% — 0.10%

Repeatability Ranges 0.02% — 0.03%



Compression Negative Stress | Material Contraction



Compression & Tension Universal | Cyclic Stresses

Specifications reflect canister-style load cells either currently in stock, or previously engineered and ready-to-assemble, as of August 2022. Accuracy data based on full-scale output readings upon completion of production, which is an average 6–8 weeks period for new load cells. Pricing available upon request for off-the-shelf MSNST #11XXXXX and #12XXXXX units.

Canister load cells are vertical cylinders ideal for tough, high-capacity, and repetitive operations such as those in pile-testing and heavy-duty presses. Thanks to optional hermetic sealing, Measurement Specialists' canister cells offer great water resistance. MSNST manufactures units interchangeable with most other force measurement brands – consistently reporting higher performance metrics in terms of accuracy and durability.



Element | Envelope Metal

- 17-4PH Stainless Steel
- 4340 Carbon Steel
- A36 Alloy Steel



Cabling Materials

- Heavy-Duty Polyurethane
- Braided Steel
- Teflon Hose



Mounting Hardware

- Rocker Pins
- Steel Plates
- Tension Adapters

MSNST has been a provider and distributor of weighing solutions across the world for more than 40 years now, and carries discontinued or obsolete canister/column-style load cells customizable to fit any need.



Any facility utilizing weighing equipment should calibrate its scales at least annually for peak performance. This ensures longevity of the load cell(s), keeps your business in compliance with ISO/QMS standards, and saves you money from buying a new device.

160 West Park Loop Northwest, Huntsville, Alabama 35806-1744

Toll-Free: (800) 264-9990
sales@msnst.com

**MEASUREMENT
SPECIALISTS**
NATIONAL SCALE TECHNOLOGY

NAICS Services:
334513 • 423830 • 541330