



MSNST CANISTER LOAD CELLS



Measurement Specialists Inc, dba National Scale Technology, manufactures canister, column, and disk-style load cells optimized to weigh between 100 and 1,000,000 pounds for axial compression and tension applications. On-site electrical 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 for off-the-shelf MSNST #11XXXXX and #12XXXXX units.

Canister load cells are hermetically sealed and water resistant vertical cylinders ideal for tough, high-capacity, and repetitive operations. Thanks to enclosed wiring, Measurement Specialists' canister cells are great for pile testing and heavy-duty presses. 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 40 years now, and carries discontinued canister/column/disk-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.

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**MEASUREMENT
SPECIALISTS**
NATIONAL SCALE TECHNOLOGY

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