

Load Cells



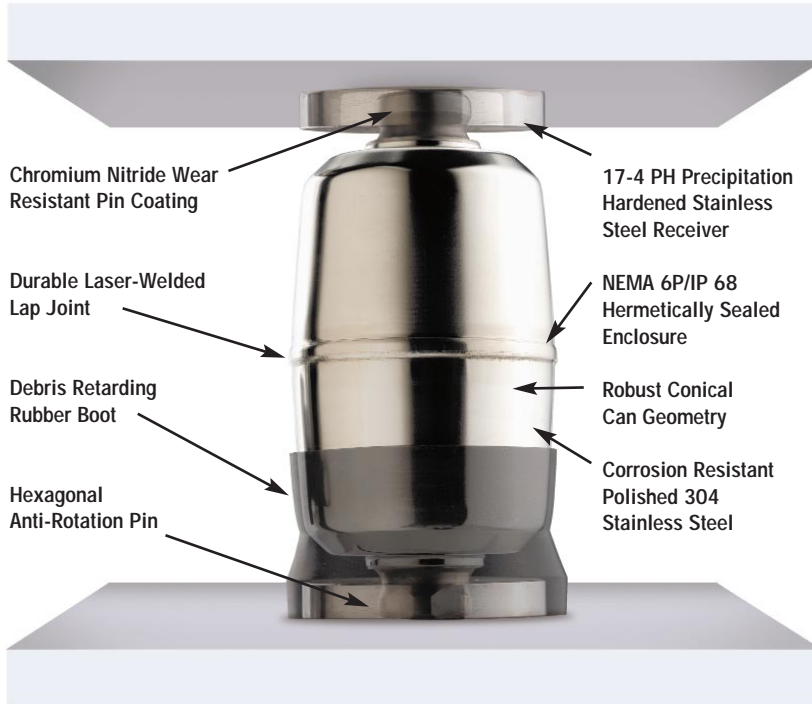
MTX
Load Cell Technology

Next-Generation Technology for Heavy Capacity Weighing

METTLER TOLEDO



MTX Technology Gives You Greater Reliability, Improved Performance



Chromium Nitride Wear Resistant Pin Coating

17-4 PH Precipitation Hardened Stainless Steel Receiver

Durable Laser-Welded Lap Joint

NEMA 6P/IP 68 Hermetically Sealed Enclosure

Debris Retarding Rubber Boot

Robust Conical Can Geometry

Hexagonal Anti-Rotation Pin

Corrosion Resistant Polished 304 Stainless Steel



Features	Benefits	Validation
Chromium Nitride Pin Coating	Reduced Pin Wear	✓ Acoustic Scratch Test
304 Stainless Steel Construction Hermetically Sealed Enclosure Glass to Metal Electrical Connection	Corrosion Resistance Moisture Resistance	✓ 1000 Hour Salt Spray Test
Digital Electronics	Reliable Communication	✓ Surge Immunity Test ✓ RF Immunity Test* ✓ Lightning Test ✓ Radiated Emissions Test*
Microprocessor Technology	Accurate Performance	✓ NIST H44 10,000d Class IIIIM ✓ OIML R60 C3, C4, C5, C6* ✓ Span and Zero TC Test ✓ -40°C Cold Start Test
Robust Design	Long Service Life	✓ Fatigue Test ✓ Accelerated Life Test

* When used with compliant cables and junction boxes

When we set out to improve on the highest quality load cell in the industry we built on our history of POWERCELL® load cell technology and created the next generation...the MTX™ load cell, designed to meet your heavy capacity performance needs.

METTLER TOLEDO's POWERCELL® load cell has a proven performance history with over a quarter of a million in service worldwide. The new MTX load cell has everything that you have come to expect from METTLER TOLEDO. Its on-board microprocessor continuously monitors cell performance and automatically compensates for external influences such as temperature changes, nonlinearity, hysteresis and load cell creep.

The design of the MTX load cell has been modified to provide extended performance in your heavy capacity application. The canister's shape and addition of laser-welded lap joints provide a stronger and more damage resistant product in abusive environments. Internally, the electronics are more robust, offering even greater lightning protection. And, the life of the load cell is extended with modifications such as a polished stainless steel finish which resists corrosion and chromium nitride pin coating that reduces wear.

Capacities

Capacities are 25 metric tonnes/55,000 lb, and 45 metric tonnes/100,000 lb.

Approvals

MTX load cells have received worldwide approvals. In the U.S., Certificate of Conformance Number 88-091 was issued under the National Type Evaluation Program (NTEP). Test Certificate TC5408 was issued by the European Community.

ISO 9001

This product was developed, produced and tested in a METTLER TOLEDO facility that has been audited and registered according to international (ISO 9001) quality standards.

For questions regarding MTX load cells and technical matters, call your authorized Mettler Toledo distributor, or visit our website at www.mt.com

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