

BALANCES

COUNTING SCALES

BENCH SCALES

CHECKWEIGHERS

CONVEYOR SCALES

FLOOR SCALES

INDICATORS

TRUCK SCALES

RAILROAD SCALES

TECHNOLOGY

SOFTWARE

JUNCTION BOXES

FORKLIFT SCALES

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PRINTERS

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Avery Weigh-Tronix
Technology



T302X Load Cell

ROBUST COMPACT ACCURATE

A high-capacity, legal-for-trade, IP69K sealed load cell ideal for new and retrofit applications.

Avery Weigh-Tronix



The T302X is a super-precision, legal-for-trade load cell ideal for weighbridge and hopper weighing applications: A compact design that fits almost anywhere. Leading 5000d OIML accuracy. IP69K sealing and robust surge suppression. Full 2-year warranty. 22.5 and 45 tonne capacities. Choose the T302X for new or retrofit installations where reliability, accuracy and ease of installation count.

T302X Load Cell Legal-for-trade weighing in new or retrofit installations

PHYSICAL FEATURES

Accuracy and reliability

Specially radiused, top and bottom surfaces for improved point loading contact – guaranteed accuracy even when working at 3 degree angle from vertical.

Lightning protection

Four specialized surge arresters are mounted as close to the gauge area as possible to help protect the load cell from lightning / high voltage surges.

IP69K sealing

The T302X is hermetically sealed to IP69K – ensuring no water ingress even when pressure washed to 100 bar – making it ideal for quarry or food applications.

Sealed cable gland

Glass to metal seal and fully potted – protects the load cell from all water and moisture ingress.

Robust case

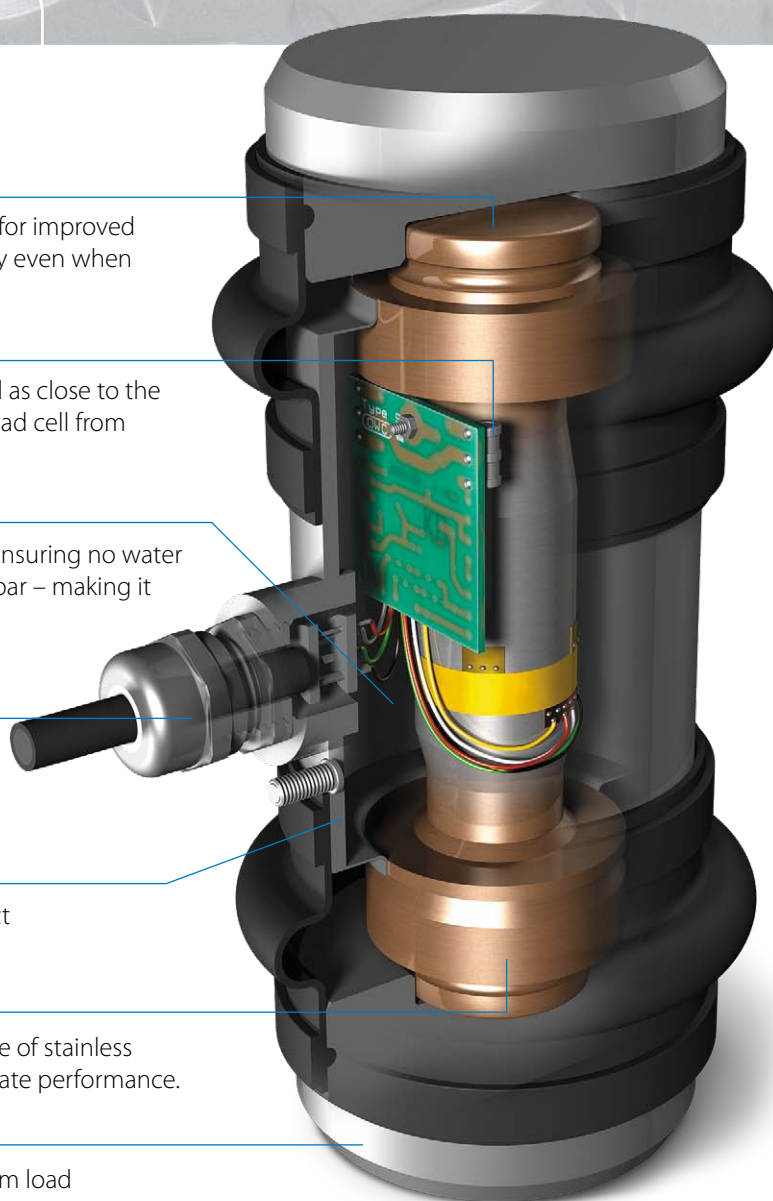
2.5mm thick stainless steel outer walls protect internal elements from damage.

Custom alloy steel

The T302X is manufactured from a solid piece of stainless steel aircraft-quality alloy to guarantee accurate performance.

Built to last

Fully gaitered and pregreased top and bottom load buttons help reduce wear from dust and moisture whilst guaranteeing accuracy and high performance at all times.



NEW COMPACT SIZE

The new, compact size of the T302X – compared to the previous generation T302 (right) – will allow more installation options and flexibility than ever.

For fast installations, choose from a variety of specially designed spacers to match existing load cells without expensive modifications.





INDUSTRY APPLICATIONS

The previous generation T302 Load Cell has proven itself, with hundreds and thousands of units in service around the world. The new T302X builds on this success, and will again become the trusted choice for high-capacity applications:

- Weighbridges
- Bin, hopper, tank weighing
- Rail weighing



HARSH ENVIRONMENTS

From quarry pits to tropical plantations to chemical plants the T302X is the preferred load cell.

Along with the IP69k sealing, the T302X comes standard with pregreased top and bottom load cell buttons. They are fully gaitered to keep out unwanted dust and moisture to remain accurate for many years.

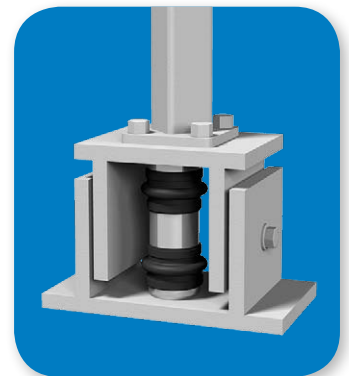
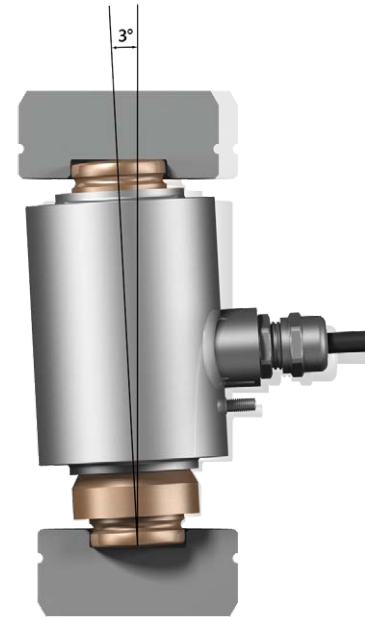
HIGH PERFORMANCE 5000d

The 5000d OIML accuracy of the T302X is unparalleled in the load cell market. This level of accuracy is maintained even when the load cell is tilted up to 3°. Both 22.5 and 45 tonne capacity models offer this level of extreme legal-for-trade accuracy.

PRECISION IN AN IMPRECISE WORLD

The T302X load cell guarantees accuracy even when working at 3 degree angle from vertical, making it perfect for less-than-ideal installation conditions.

When installed to manufacturer's specifications, the T302X design eliminates load cell rotation, removing the need for any outside anti-rotation restraints.



EXTERNAL TANK MOUNT

The T302X can be used in a variety of indoor / outdoor vessel weighing applications. When used in conjunction with structurally approved vertical and horizontal restraints, the T302X will provide accurate weighing results in a wide range of industrial applications whilst withstanding harsh environmental conditions. The compact construction will provide a limited height increase to existing structures and will maintain accuracy within the 3° angle from vertical.



STATE-OF-THE-ART MANUFACTURING

The T302X load cells are manufactured using the very latest state-of-the-art load cell manufacturing and testing equipment.

Avery Weigh-Tronix builds and tests load cells in a company facility with ISO9002 certification. Strict compliance to ISO procedures assures accuracy and reliability at all times.



LIGHTNING PROTECTION

The T302X was designed with the goal of being the most lightning resistant load cell on the market. Four 50 GΩ surge arrestors are internally mounted as close to each gauge as possible for maximum protection from lightning strikes.

SPECIFICATIONS

Hazardous Applications

A special version of the T302X is available for use in dust and hazardous gas areas when attached to other Avery Weigh-Tronix ATEX instrumentation.

ATEX Classification

Gas: Ex ia IIC T6 Ga -10° C ≤ Ta ≤ +50° C
Dust: Ex ia IIIC T85° C Da
Category: 1GD Temp +50° C
Dual Certification: Dual ATEX & IECEx approval for international markets.

Capacities

22.5 tonne
45 tonne

Cable Lengths

The T302X is available with either 25 meter or 40 metre of cable. 40 metre cable on hazardous area version.

Accuracy

5000d OIML
OIML Certificate No R60/2000-GB1-09.10

Construction

Fully stainless steel construction

Resistance to Dirt & Moisture

Designed to exceed IP69K

Operating Temperature Range

-20° C to +60° C.

Calibrated Temperature Range

-10° C to +40° C.

Warranty

2 years

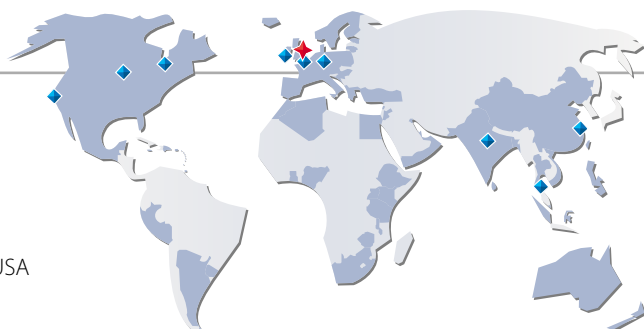
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Please call us or visit www.averyweigh-tronix.com for your nearest Avery Weigh-Tronix distributor

