



A member of the
Avery Weigh-Tronix Group

Tank & Vessel Weighing



Levermount®

Model 7300 Levermount Tank Assembly

ITA

Integrated Tank Assembly



Tank Weighing Assemblies

Innovative design, and tough construction define the GSE Tank Weighing Assemblies. The complete product line offers operational safety, quick installation, overload protection, and steelwork misalignment tolerance. Stainless steel, hermetically sealed load cells are available.



ITA Integrated Tank Assembly
Shown with conduit fitting



ITA Integrated Tank Assembly
Shown with stainless steel base plate
and captive cable

ITA Integrated Tank Assembly

The ITA is an innovative self-contained low profile weighing assembly with an integrated load cell and mounting assembly. The ITA design allows up to 3° off its axis without affecting weighing accuracy. The durable, stainless steel welded construction prevents intrusion from moisture or chemicals; providing years of service in the most severe environments. Integral to the ITA design is its uplift restraint and side load protection; eliminating the need for check rods or stabilizing hardware in most applications.

FEATURES

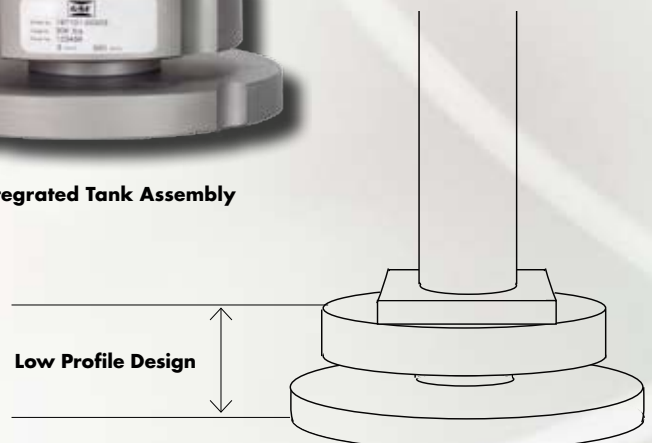
ITA Medium Capacity: 1000 lb—125,000 lb
(454 kg—56,699 kg)

ITA Heavy Capacity: 150,000 lb—450,000 lb
(68,039 kg—204,116 kg)

- Stainless steel base plate (medium capacity only)
- Square steel painted base plate (heavy capacity only)
- Low profile, self-checking
- Integrated load cell and mount
- NEMA 4X (IP66/IP68) Ingression Rating
- FM approved



ITA Integrated Tank Assembly

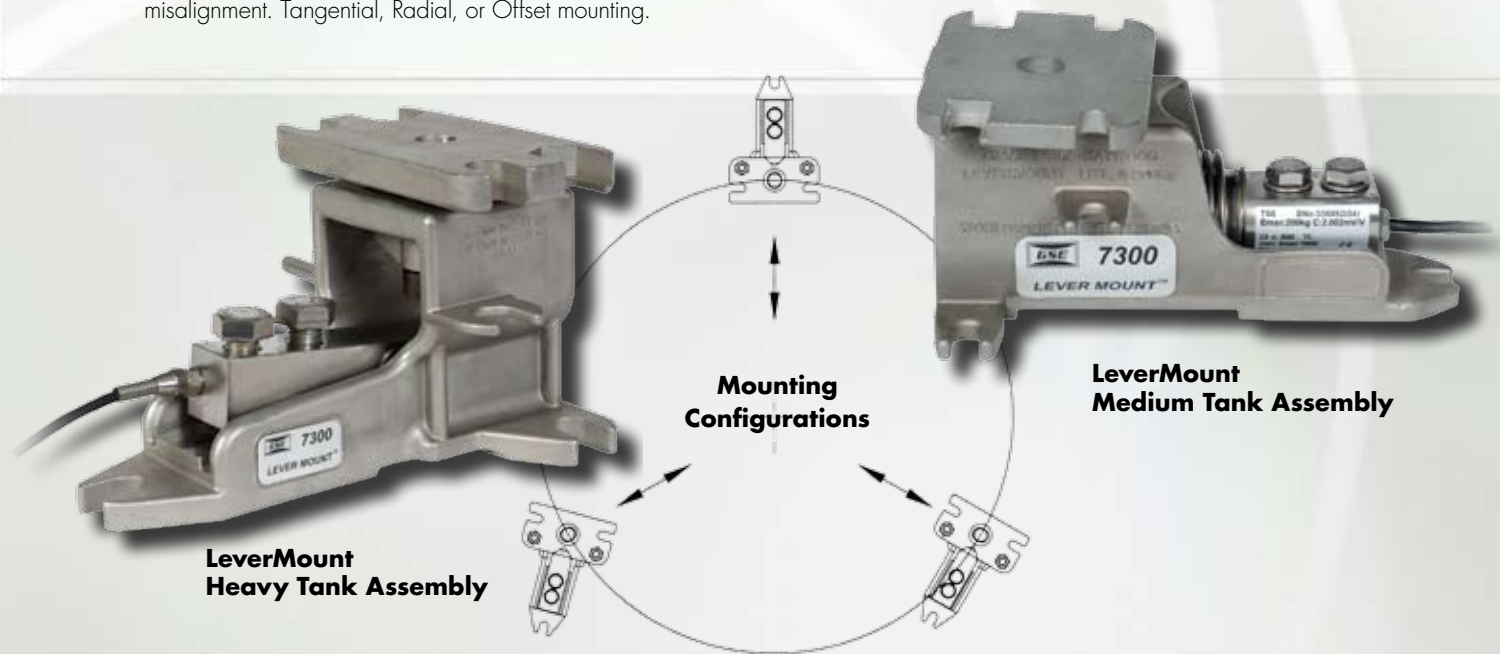


Model 7300 LeverMount

The innovative LeverMount design allows rapid load cell installation, and removal; minimizing production downtime. The column and top plate secures the load; eliminating the need for dummy load cells or jacks during installation. The hardened steel load button and saddle design concentrates the vertical load for increased accuracy. The stable three-point mounting prevents rocking or twisting caused by uneven surfaces. The slotted saddle allows for thermal expansion and contraction which eliminates errors caused by temperature changes, and allows for steelwork misalignment. Tangential, Radial, or Offset mounting.

Applications

Tank, Hopper, & Vessel Weighing
Packaging and Bagging Systems
Big Bag Weighing Machines
Batching, Blending, and Mixing



LeverMount Tank Assembly

FEATURES

- Jackless load cell installation
- Integral uplift and tip protection
- Tangential, radial, or offset mounting
- Ideally suited for severe environments
- Cast 316 stainless steel construction
- Single-ended shear beam load cells
- NTEP, FM Approved

CAPACITIES

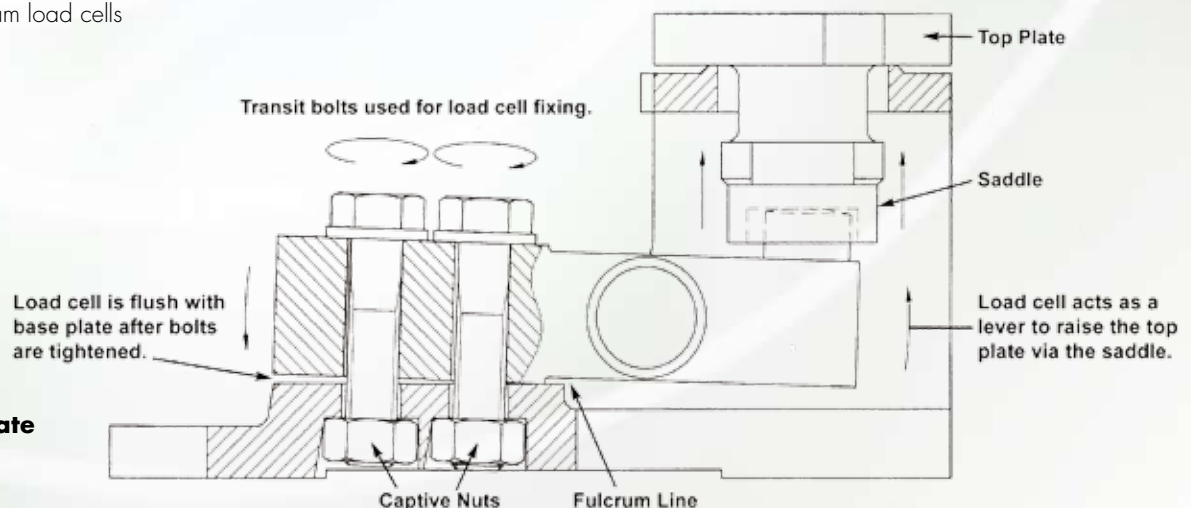
Medium Tank Assembly

1000 lb, 2500 lb, 5000 lb
(454 kg, 1134 kg, 2268 kg)

Heavy Tank Assembly

5000 lb, 10,000 lb (2268 kg, 4536 kg)

LeverMount Column and Top Plate



Tank & Vessel Weighing: ITA, Levermount

Specifications

	ITA Integrated Tank Assembly	LeverMount
PERFORMANCE		
Capacities (lb)	Medium Duty: 1000 lb—125,000 lb (454 kg—56,699 kg) Heavy Duty: 150,000 lb—450,000 lb (68,039 kg—204,116 kg)	Medium Duty: 1000 lb, 2500 lb, 5000 lb (454 kg, 1134 kg, 2268 kg) Heavy Duty: 5000 lb, 10,000 lb (2268 kg, 4536 kg)
Rated Output	3 mV/V ± 0.10 %	3 mV/V ± 0.25 %
Non-linearity of Rated Output	± 0.05 %	± 0.025 %
Non-repeatability of Rated Output	± 0.05 %	± 0.02 %
Creep (30 minutes)	± 0.03 %	≤ 0.03 in 20 minutes
Temp Effect on Zero Balance	± 0.0015 % / °C	<± 0.026 % /10 °C
Temp Effect on Span	± 0.0008 % / °C	<± 0.015 % /10 °C
Compensated Temp Range	10 °F to 110 °F (-12 °C to 43 °C)	14 °F to 104 °F (-10 °C to 40 °C)
Operating Temp Range	10 °F to 110 °F (-12 °C to 43 °C)	-4 °F to 140 °F (-20 °C to 60 °C)
Safe Overload F.S.	150 %	150 %
Ultimate Overload F.S.	300 %	300 %
Input Resistance / Impedance	350 ± 3 Ω*	385 ± 5 Ω
Output Resistance / Impedance	350 ± 3 Ω*	350 ± 3 Ω
ELECTRICAL/WIRING		
Excitation Voltage	10—15 VAC/VDC	10—15 VAC/VDC
Cable Length	25 ft (7.62 m)	16.5 ft (5 m)
Excitation +	Green	Red
Excitation –	Black	Black
Signal +	White	Green
Signal –	Red	White
CONSTRUCTION		
Material	Load Cell: Stainless Steel Hermetically Sealed NEMA 4X (IP66/ IP68) Cable Exit – conduit fittings or captive cable Hermetic Connector—Optional Base Plate: Stainless Steel for 1000 lb—125,000 lb (454 kg—56,700 kg) capacities Mild Steel for 150,000—450,000 lb (68,000 kg—204,000 kg) capacities	Load Cell: Stainless Steel Hermetically Sealed IP67 Cable exit — captive cable only Mount: 316 Cast Stainless Steel
Dimensions	1000—10,000 1.37 in x 4.5 in (34.8 mm x 114.3 mm) 20,000—50,000 2.53 in x 7.0 in (67.31 mm x 177.8 mm) 60,000—125,000 3.12 in x 8.0 in (79.25 mm x 203.2 mm) 150,000—225,000 4.75 in x 10.0 in x 10.0 in (120.65 mm x 254 mm x 254 mm) 250,000—450,000 6.40 in x 11.0 in x 11.0 in (162.56 mm x 279.4 mm x 279.4 mm)	1000—5000 lb 7.8 in x 5.2 in x 4.33 in (198.12 mm x 132.0 mm x 109.98 mm) 5000—10,000 lb 10.63 in x 7.48 in x 6.18 in (270.0 mm x 189.92 mm x 156.97 mm)
AGENCIES	FM Approved, NTEP Pending	NTEP, FM Approved

*Nominal

Levermount® is a registered trademark of Thames Side-Sensors Limited.

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