

Industrial Weighing

Load Cell and Weighing Assembly Solutions for Silo, Vessel and Process Weighing

capacities 10kg to 600,000kg

Stainless steel fully welded load cell construction to IP68

ATEX approved for all zones, gas and dust

Heavy duty weighing assemblies with Integral lift off prevention

Compensation for vessel expansion and contraction

Five year warranty

Patented designs allow fast installation



Silo, Vessel and Process Weighing Solutions

Thames Side Sensors Limited provides the ultimate in load cells and loading assemblies for tank, silo and process weighing. The innovative loading assemblies provide a simple but complete mechanical link between the weighing structure and support base, removing the need in most applications for additional tie bars or other restraints. Several of our patented designs allow rapid installation and removal of the load cell without jacks or specialist tools, even when the vessel is full, providing major savings on installation costs.

Loading assemblies form a crucial part of modern weighing systems. Use of the latest Finite Element Analysis (FEA) software pinpoints the optimum design of assembly for correct operation and rigorous manufacturing and test procedures ensure total reliability under the harshest of conditions. Depending on the model, assemblies are available in stainless steel, autophoretic painted or galvanised finish. Most products have ATEX EEx ia IIC T6 certification for both dust and gas in all zones as well as Ex nA II T6 gas only certification which allows Zone 2 use without safety barriers. High temperature variants, with special components and PTFE cable, are available for operation in environments up to 150°C



Designed for platform, hopper and tank weighing, bag fillers and belt weighers

LA66/LA350 capacities 10kg to 5000kg

Cantilever Beam/Single Ended Shear Beam

- Stainless steel load cell element
- OIML C3 Approved
- Fully Welded to IP68
- Anti-vibration mount
- ATEX certification available for dust and gas



NEW
Lower capacity

Designed for process weighing applications particularly food and pharmaceutical

LeverMount® capacities 10kg to 5000kg

Patented Load Cell and Mount

- Stainless steel single ended shear beam load cell element
- 316 cast stainless steel mount
- OIML C3 Approved
- Fully welded to IP68
- Unique and secure load cell installation/removal without jacks
- Substantial integral anti-lift
- ATEX certification available for dust and gas



Designed for silo, tank, hopper and vessel weighing

T93LA capacities 500kg to 30,000kg

Folded Shear Beam

- Stainless steel folded shear beam load cell element
- Autophoretic coated loading assembly
- Integral lift off protection
- Fully welded to IP68
- Tolerant of misalignment
- ATEX certification available for dust and gas



Silo, Vessel and Process Weighing Solutions



Designed for mixers, catalyst vessels, weighing platforms, conveyors and axle weighing

T95LA capacities from 2,000kg to 20,000kg

Folded Shear Beam

- Alloy or stainless steel folded shear beam element
- Autophoretic coated loading assembly
- OIML C3 approved (alloy steel version)
- Fully welded to IP68
- Integral lift off protection
- ATEX certification available for dust and gas



NEW

Designed for vessel weighing

MasterMount® capacities from 2,000kg to 30,000kg

Patented Load Cell and Mount

- Stainless steel double ended shear beam load cell element
- Autophoretic coated loading assembly
- Substantial integral anti-lift
- Unique load cell installation/ removal without jacking using built in cam mechanism
- Fully welded to IP68
- Allowance for vessel expansion and contraction
- ATEX certification available for dust and gas



Designed for large silos, vessels and tanks, offshore models also available

VC3500LA capacities from 2,000kg to 200,000kg

Double Ended Shear Beam

- Stainless steel double ended shear beam load cell element
- Integral lift off protection
- Fully welded to IP68
- Galvanised, autophoretic coated or stainless steel loading assembly
- Allowance for vessel expansion and contraction
- ATEX certification available for dust and gas



Designed for large silos and tanks








T30LA capacities from 100,000kg to 600,000kg

Column Load Cell

- Alloy steel load cell element
- Autophoretic coated loading assembly
- Self-aligning loading assembly
- Sealed to IP67
- Integral lift off protection
- Allows vessel expansion and contraction

Silo, Vessel and Process Weighing Solutions

Applications Overview

Load Cell Type	T66LA/350LA	LeverMount®	T93LA	T95LA	MasterMount®	VC3500	T30
Capacity kg							
10	•	•					
20	•	•					
50	•	•					
100	•	•					
200	•	•					
300	•	•					
500	•	•	•				
1,000	•	•	•				
2,000	•	•	•	•	•	•	
3,000	•	•					
3,500			•				
5,000	•	•	•	•	•	•	
7,500			•				
10,000			•	•	•	•	
15,000			•		•	•	
20,000			•	•	•	•	
30,000			•		•	•	
50,000						•	
75,000						•	
100,000						•	•
150,000						•	
200,000						•	•
300,000							•
400,000							•
600,000							•
Atex Dust and Gas	•	•	•	•	•	•	
OIML C3	•	•		•*			
Ingress Protection	IP 68	IP 68	IP 68	IP 68	IP 68	IP 68	IP 67
High Winds			•	•	•	•	•
Mixer/Agitator	•			•			
Vibration	•	•	•	•	•	•	
Harsh Environment	•	•	•	•	•	•	•
Wash Down Area	•	•	•	•	•	•	•

*Alloy Steel Version only

Also available for suspended belt weighing, tension and weighbridge applications;



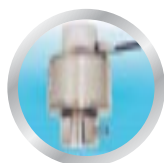
650

- 'S' Beam Load Cell
- Stainless Steel Sensor
- 250kg-7500kg
- OIML C3 Approved
- Fully Welded to IP68
- Bi-Directional



T61

- 'S' Beam Load Cell
- Alloy Steel Sensor
- 100kg-2000kg
- Bi-Directional
- Sealed to IP66



740

- Column Cell
- Stainless Steel Sensor
- 15 - 40 tonnes
- Fully welded to IP68
- OIML C3 approved
- Mounting accessories available

Distributed by



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