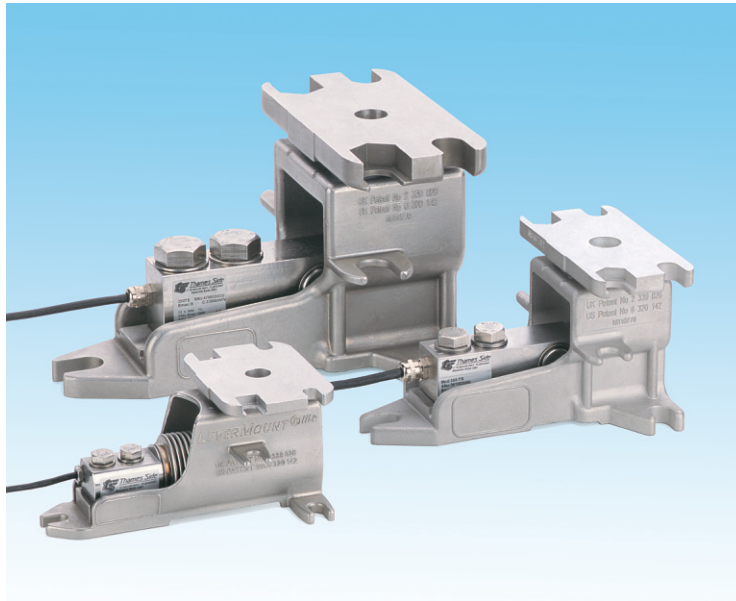


LeverMount®

NOW AVAILABLE IN
LOWER
CAPACITY

A unique, patented and cost effective solution for process weighing applications

capacities 20kg, 50kg, 100kg, 200kg, 300kg, 500kg, 1000kg, 2000kg, 3000kg and 5000kg



purpose designed stainless load cell and mount arrangement

LeverMount® can be raised and lowered under load without jacking

load cell removal without jacking or dummies

straightforward, low cost installation without specialist tooling

highly stable three point mounting

substantial lift off prevention

easily configurable for radial or tangential mounting

tolerant of steel work misalignment

allows for vessel expansion and contraction

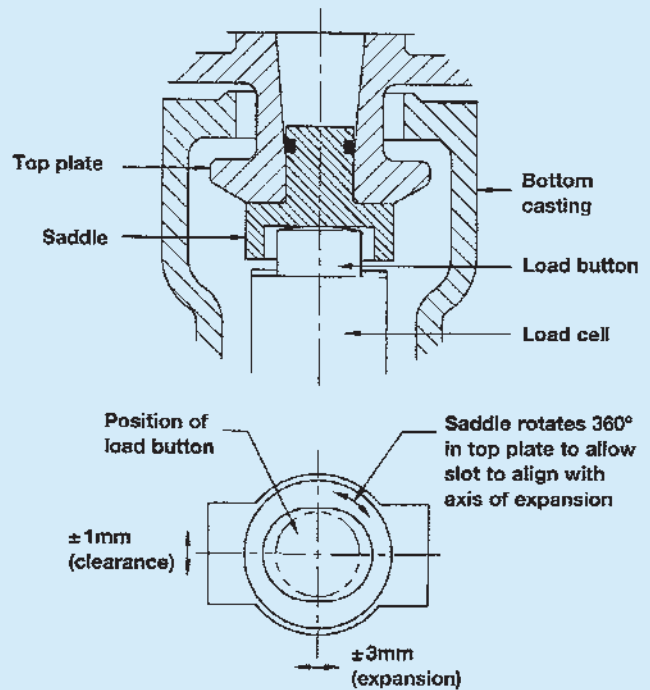
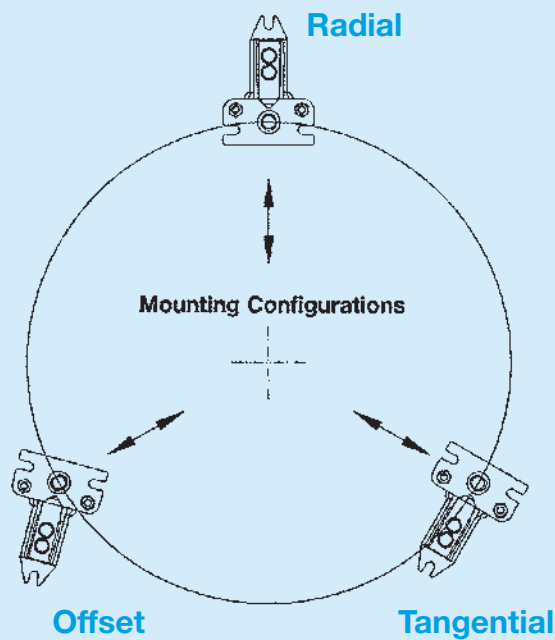
stainless steel OIML C3 approved load cell, fully welded, sealed to IP68

LeverMount® is the latest development in load cell weighing assemblies from Thames Side-Maywood. Process weighing installations are made easier, safer and more cost effective using this simple, innovative design. Load cells approved to 3000 divisions OIML R60 Class C. Load cells available in ATEX approved versions for hazardous area applications



Thames Side - Maywood

...your specialist load cell partner

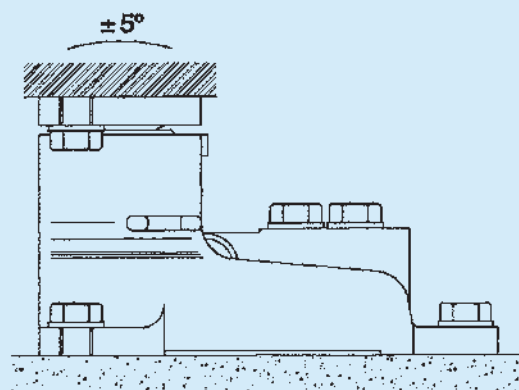
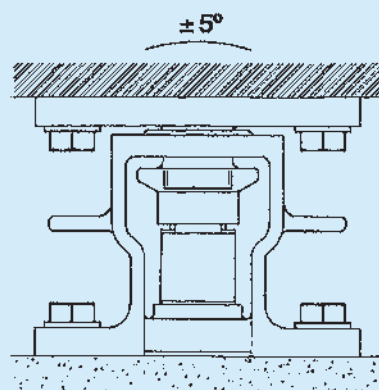


FEATURES

- Purpose designed stainless steel cast mount and stainless steel load cell
- Simple two part casting using the transit bolts into captivated nuts for load cell fixing
- Stainless steel, IP68, fully welded, single ended shear beam load cell
- Load cell acts as the lever to raise and lower the top plate and vessel
- Vessel can be raised or lowered under load
- No jacking screws or support pillars
- Three point support and fixing
- Top plate movement in the x, y and rotational axis
- Configurable for radial, tangential or offset mounting
- Substantial anti-lift facility
- Nominal difference between the working height and the installed height
- Load cell can be easily removed under load in situ
- Two designs cover the range from 300kg to 5000kg

BENEFITS

- Ideal for process weighing applications that require an accurate, safe and cost effective solution
- Aesthetically pleasing design, eliminating the need for additional machining and special bolts
- Suitable for use within the harshest of industrial environments
- No need for alternative lifting devices such as pad jacks
- Easier, quicker and safer than any other mount arrangement
- No stripped threads or top plate interference
- Eliminates rocking and twisting in the mount, always finds a plane
- Tolerant of steel work misalignment; allows the vessel to breathe avoiding any mechanically induced errors
- Easy alignment to the radial axis of the vessel
- Increased safety
- Reduces the need to adjust for pipe work without flexible connections
- Less down time
- Covers the majority of process weighing applications



LeverMount®

	Model T66	Units	Model 350i
	Load Cell Specification		Load Cell Specification
Load Cell Approval	3000 divisions (C3)		3000 divisions (C3)
	OIML R60 Class C		OIML R60 Class C
Load Ranges	20, 50,100, & 200	kg	300, 500, 1000, 2000, 3000, & 5000
Rated Output	2mV/V +/- 0.1%	mV/V ±0.25%	2(±0.15)
Combined Error	<±0.017	%*	<±0.017
Non-repeatability	<±0.015	%*	<±0.015
Creep (30 minutes)	<±0.016	%*	<±0.016
Temp Effect on Zero Balance	<±0.01	%*/°C	<±0.01
Temp Effect on Span	<±0.006	%*/°C	<±0.006
Compensated Temp Range	-10 to +40	°C	-10 to +40
Operating Temp Range	-20 to +70	°C	-20 to +70
Safe Overload	150	%*	150
Ultimate Overload	300	%*	300
Zero Balance	<±1	%*	<±2
Input Resistance	400±20	ohms	400±20
Output Resistance	350±3	ohms	350±3
Insulation Resistance	>5000	Mohms @100V.dc	>5000
Recommended Supply Voltage	10	V	10
Maximum Supply Voltage	15	V	15
Cable Length	3	m	5
Protection Class	IP68		IP68

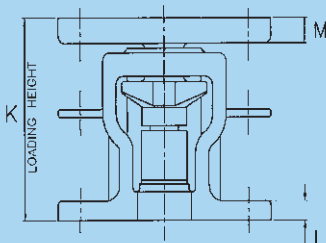
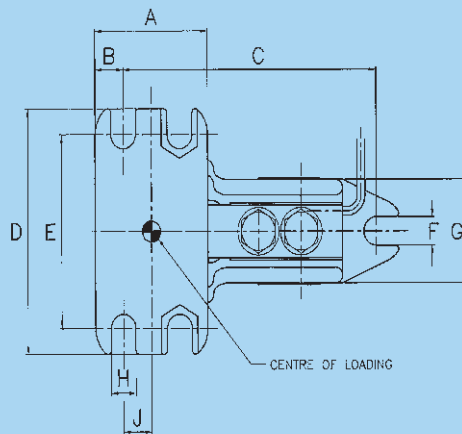
*With respect to rated output

Shipping Weights: (kg)

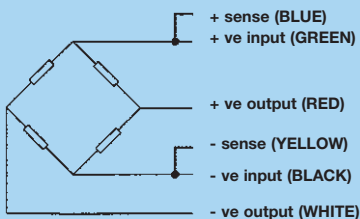
300, 500, 1000, 2000 = 4 kg
3000, 5000 = 9 kg.

Construction

Mount manufactured from cast 316 stainless steel.
Load cell manufactured from high strength stainless steel, electro-polished, fully welded and sealed to IP68.



Capacity (kg)	A	B	C	D	E	F	G	H	J	K	L	M
20, 50, 100, & 200	70	16	147	100	80	9	55	9	19	80	7	8
300, 500, 1000, 2000	70	16	168	132	108	14	60	14	19	110	12	12
3000, 5000	100	25	225	190	150	22	80	22	25	157	15	20



Electrical Connections

*Via 6 core, 7/0.2mm (0.22mm²), screened pvc cable.

In all cases screen is not connected electrically to the load cell.

UK Patent No. 2 339 026 US Patent No. 6 320 142

Our policy is one of continuous product enhancement. We therefore reserve the right to incorporate technical modifications without prior notification.

LeverMount® is a registered trade mark of Thames Side-Maywood Limited.

Distributed by

Thames Side-Maywood

Thames Side-Maywood Limited

2 Columbus Drive, Summit Avenue,
Southwood, Farnborough,
Hampshire GU14 0NZ

Tel: +44(0) 1252 555811

Fax: +44(0) 1252 375394

Email: sales@thames-side.co.uk

Web: www.thames-side-maywood.com



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