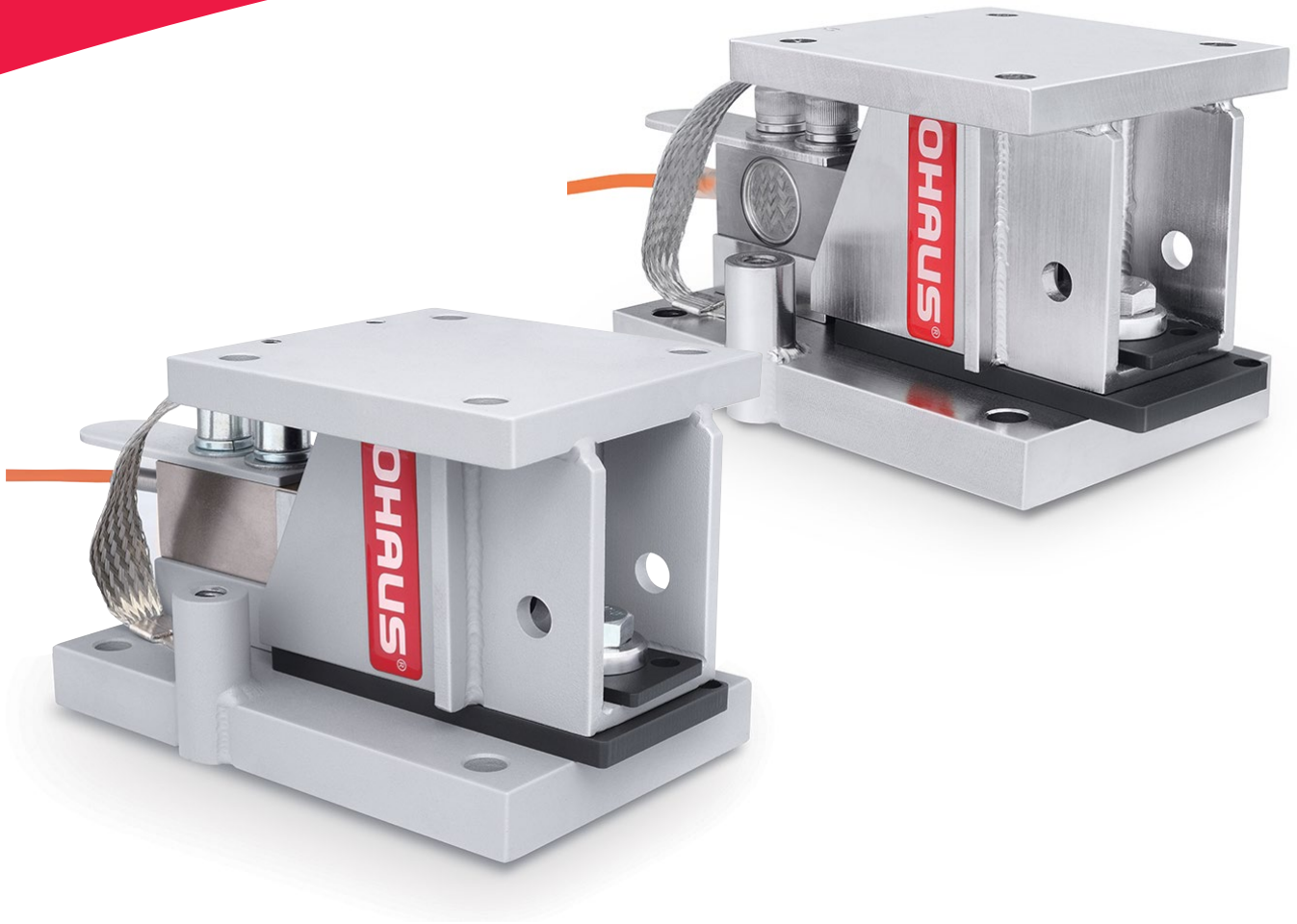




Designed for Static and Dynamic Applications Such as Tank and Vessel Weighing

Crafted from either alloy steel or stainless steel, the i-TME weighing module arrives pre-assembled for effortless installation. It is highly suitable for applications in tank weighing, level measurement, and vessel weighing systems.

Unique Features:

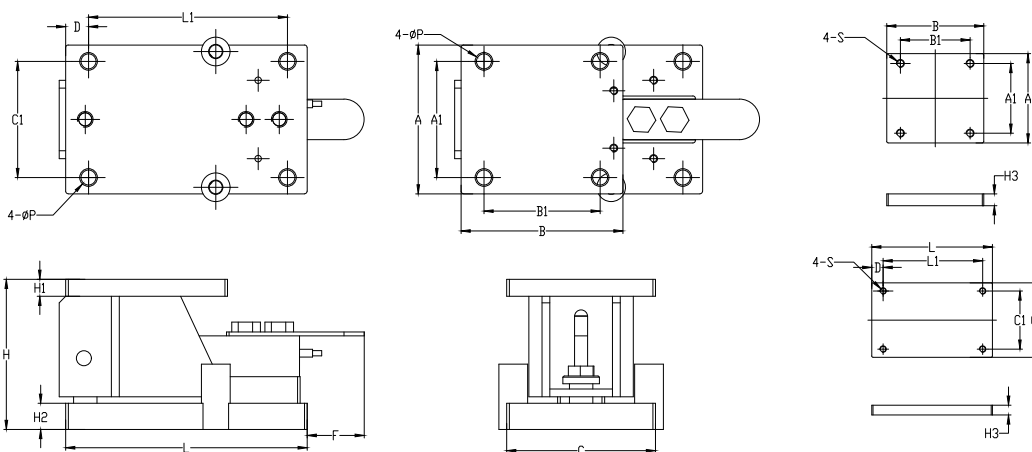
- Choose between alloy steel load cell with mounting kit or stainless steel load cell with mounting kit for static and dynamic applications. The self-centering rocker pin guarantees repeatability.
- 360° self-checking feature ensures comprehensive monitoring while lift-off & down stops enhance precision. Ground strap for safety & optional stabilizer for additional stability, optimizing weighing.
- Simple installation options available for weighing module, allowing installation with or without load cell. Effortless maintenance - load cell is easily removable or installable with minimal lifting.

i-TME Weighing Modules

Trooper series	i-TME		i-TMES	
Weighing module material	Alloy steel, Powder-cated		304 stainless steel, Electropolished	
Rated capacity	0.5t/1t/2t	5t	0.5t/1t/2t	5t
Load cell model	LBZ4-CS		LBZ4-SS	
Load cell material	Alloy steel, silicon sealed		Stainless steel, hermetically sealed	
IP Rating	IP67		IP68	
Accuracy class	C3			
Maximum number of load cell intervals (nLC)	3,000			
Ratio of minimum LC verification interval Y= Emax / vmin	10,000			
Combined error (%FS)	≤ ±0.020			
Creep (%FS/30min)	≤ ±0.016			
Temperature effect on sensitivity (%FS/10 °C)	≤ ±0.011			
Temperature effect on zero (%FS/10 °C)	≤ ±0.015			
Output sensitivity (mV/V)	3.0 ±0.003	2.0 ±0.004	2.0 ±0.004	
Input resistance (Ω)	350 ±3.5			
Output resistance (Ω)	351 ±2		350 ±3.5	351 ±2
Insulation resistance (MΩ)	≥ 5000 (50VDC)			
Zero balance (%FS)	≤ ±1.0			
Compensated temperature (°C)	-10 ~ +40			
Operating temperature (°C)	-35 ~ +70			
Excitation,recommended voltage (V)	5~12 (DC)			
Excitation maximum (V)	18 (DC)			
Safe overload (%FS)	150			
Ultimate overload (%FS)	300			
Cable length	5 m			

Accessories

Mounting Plate Set, TMES 0.5-2t SS.....	30904122
Mounting Plate Set, TMES 5t SS	30904123
Mounting Plate Set, TME 0.5-2t CS.....	30904124
Mounting Plate Set, TME 5t CS	30904125
Stabilizer, TMES 0.5-2t SS.....	30904129
Stabilizer, TMES 5t SS	30904130
Stabilizer, TME 0.5-2t CS.....	30904131
Stabilizer, TME 5t CS	30904132



Product Type	Material	Capacity (kg)	A	B	C	D	F	L	A1	B1	C1	L1	H	H1	H2	H3	P	S
i-TMES500	Electropolished 304 Stainless Steel	500	114	124	114	17.5	17.5	185	89	89	89	152.4	115	13	20	15	11.5	M10
i-TMES1T		1000	114	124	114	17.5	17.5	185	89	89	89	152.4	115	13	20	15	11.5	M10
i-TMES2T		2000	114	124	114	17.5	17.5	185	89	89	89	152.4	115	13	20	15	11.5	M10
i-TMES5T		5000	153	153	153	18	18	235	117	117	117	199	142	20	25	20	17.5	M16
i-TME500	Powder coated Q345 Steel	500	114	124	114	17.5	17.5	185	89	89	89	152.4	115	13	20	15	11.5	M10
i-TME1T		1000	114	124	114	17.5	17.5	185	89	89	89	152.4	115	13	20	15	11.5	M10
i-TME2T		2000	114	124	114	17.5	17.5	185	89	89	89	152.4	115	13	20	15	11.5	M10
i-TME5T		5000	153	153	153	18	18	235	117	117	117	199	142	20	25	20	17.5	M16

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The management system governing the manufacture of this product is ISO 9001:2015 certified.

