



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

Constructed of stainless steel, the i-TMAS Weighing Module is ideal for building industry tanks, coal bunkers, and tanks for liquids and gases. These units come pre-assembled - ensuring ease of installation. Safe, accurate and service-friendly at the same time.

Unique Features:

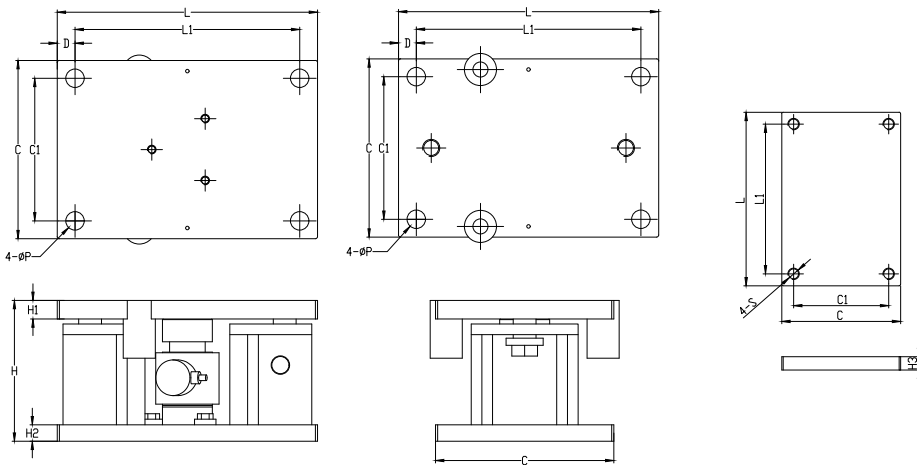
- The load cell as well as the mounting hardware of the i-TMAS weighing modules are constructed of stainless steel making it sanitary and rust-resistant.
- With IP68 hermetic sealing and C3 classification, the self-restoring rocker pin load cell ensures the top plate returns to its optimal position for consistent and precise weight measurements.
- 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-TMAS Weighing Modules

Trooper series	i-TMAS	
Weighing module material	304 stainless steel, Electropolished	
Rated capacity	10t/20t/30t/50t	100t
Load cell model	LBZ7	
Load cell material	Stainless steel, hermetically sealed	
IP Rating	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)	$\leq \pm 0.020$	
Creep (%FS/30min)	$\leq \pm 0.016$	
Temperature effect on sensitivity (%FS/10 °C)	$\leq \pm 0.011$	
Temperature effect on zero (%FS/10 °C)	$\leq \pm 0.015$	
Output sensitivity (mV/V)	2.0 $\pm$ 0.002	
Input resistance (Ω)	700 $\pm$ 7	
Output resistance (Ω)	703 $\pm$ 4	
Insulation resistance (M Ω)	≥ 5000 (50VDC)	
Zero balance (%FS)	$\leq \pm 1.0$	
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	15 m	20m

Accessories

Mounting Plate Set, TMAS 10-20t SS	30904126
Mounting Plate Set, TMAS 50t SS	30904127
Mounting Plate Set, TMAS 100t SS	30904128
Stabilizer TMAS, 10-50t SS	30904133
Stabilizer TMAS, 100t SS	30904134



Product Type	Material	Capacity (t)	C	D	L	C1	L1	H	H1	H2	H3	P	S
i-TMAS10T	Electropolished 304 Stainless Steel	10	250	25	365	200	315	182.5	20	14	20	26	M24
i-TMAS20T		20	250	25	365	200	315	182.5	20	14	20	26	M24
i-TMAS30T		30	250	25	365	200	315	197.5	26	23	28	26	M24
i-TMAS50T		50	250	25	365	200	315	197.5	26	23	28	26	M24
i-TMAS100T		100	350	32.5	440	285	375	370	35	35	38	33	M30

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

