

Stainless Steel, US Patent

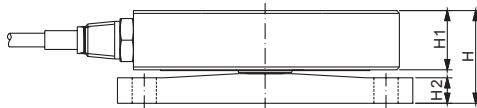
ThinWeigh®



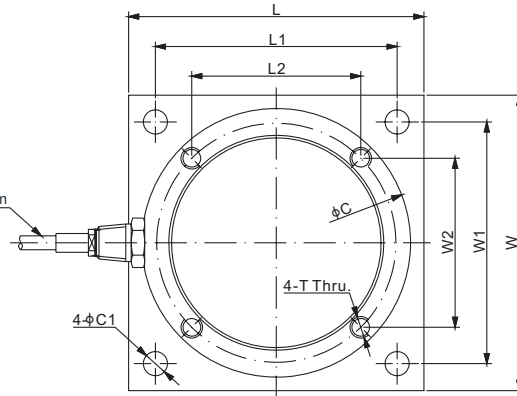
Features:

- Super thin, very low profile, excellent for limited space applications, such as tank, hopper and silo weighing
- High grade stainless steel, hermetic seal, IP68/IP69K
- Allows for 360° thermal expansion
- Uplift protection and side load protection
- No need assembly before installation

Mounting Top Plate (not shown in the picture): to order separately



Capacity ≤ 10Klb/5t : Cable φ5.1X6m
Capacity ≥ 25Klb/12t : Cable φ7.6X6m or 10m



DIMENSIONS

RATED CAPACITY	C	C1	H	H1	H2	L	L1	L2	W	W1	W2	T
Klb/inches												
1-2.5	3.94	0.35	1.02	0.65	0.26	4.33	3.54	2.48	4.33	3.54	2.48	5/16-18 UNC-2B
5-10	4.72	0.35	1.40	0.93	0.33	5.12	4.33	3.00	5.12	4.33	3.00	3/8-16 UNC-2B
25-50	5.75	0.53	2.17	1.38	0.55	6.22	4.92	3.51	6.22	4.92	3.51	1/2-20 UNF-2B
100	8.43	0.83	3.07	1.97	0.83	9.84	8.11	4.98	9.84	8.11	4.98	3/4-16 UNF-2B
200	9.84	1.06	3.82	2.32	1.14	11.22	8.86	5.76	11.22	8.86	5.76	1-14 UNS-2B
t/mm												
0.5-1.2	100.0	9.0	26.0	16.5	6.5	110.0	90.0	62.9	110.0	90.0	62.9	M8×1.25
2.5-5	120.0	9.0	35.5	23.5	8.5	130.0	110.0	76.4	130.0	110.0	76.4	M10×1.5
12-25	146.0	13.5	55.0	35.0	14.0	158.0	125.0	89.1	158.0	125.0	89.1	M12×1.75
50	214.0	21.0	78.0	50.0	21.0	250.0	206.0	126.6	250.0	206.0	126.6	M18X2.5
100	250.0	27.0	97.0	59.0	29.0	285.0	225.0	146.4	285.0	225.0	146.4	M24X3

SPECIFICATIONS

Full Scale Output	3.0 mV/V ± 0.25%	Element Material	17-4PH Stainless Steel
Zero Balance	Cap. ≤ 1.2t/2.5Klb: ≤ ± 0.04 mV/V Cap. ≥ 2.5t/5Klb: ≤ ± 0.02 mV/V	Recommended Excitation	10V (15V Maximum)
Non-linearity	Cap. ≤ 1.2t/2.5Klb: < ± 0.05%; Cap.: 2.5t-12t/5K-25Klb: < ± 0.1% or < ± 0.3% Cap. ≥ 25t/50Klb: < ± 0.3%	Insulation Resistance	>2 [50V DC] GΩ
Repeatability	< ± 0.05%	Thermal Expansion / Contraction or Minor Misalignment	500kg - 5t / 1K - 10Klb: 2mm 12t - 100t / 25Klb - 50t: 3mm
Hysteresis Error	Cap. ≤ 1.2t/2.5Klb: < ± 0.05%; Cap.: 2.5t-12t/5K-25Klb: < ± 0.1% or < ± 0.3% Cap. ≥ 25t/50Klb: < ± 0.3%	Compensated Temperature Range	-10°C to 50°C / 14°F to 122°F
Creep in 30 min.	< ± 0.05%	Safe Overload	150% of full scale
Input Resistance	700Ω ± 10	Breaking Overload	300% of full scale
Output Resistance	700Ω ± 5	Up Lift Protection	50% of full scale
		Side Load Protection	50% of full scale
		Seal Type / IP Rating	Hermetic Seal / IP68/IP69K
		Cable Color Code	Exc+ Red Exc- Black Sig+ Green Sig- White Shield Bare

AVAILABLE OPTIONS

■ Alloy Steel construction: 363THM1

PART NUMBER

Cable Length: 6m		
Rated Capacity	Part No.	Weight Approx. (kg)
1Klb.....	363TSM1-1Klb.....	-
2.5Klb.....	363TSM1-2.5Klb.....	2.0
5Klb.....	363TSM1-5Klb.....	3.2
10Klb.....	363TSM1-10Klb.....	3.2
25Klb.....	363TSM1-25Klb.....	7.4
50Klb.....	363TSM1-50Klb.....	7.4
100Klb.....	363TSM1-100Klb.....	27.2
200Klb.....	363TSM1-200Klb.....	43.0

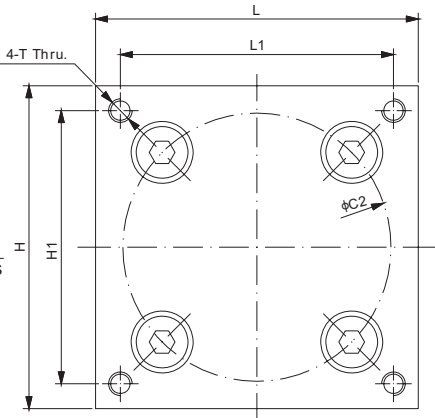
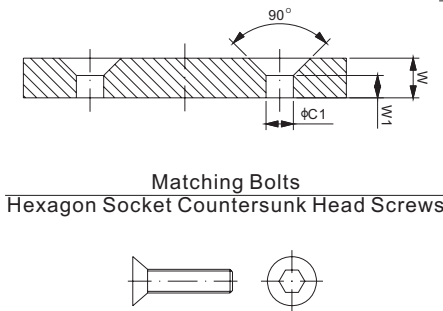
Cable Length: 10m		
Rated Capacity	Part No.	Weight Approx. (kg)
25Klb.....	363TSM1-25Klb-10m.....	7.4
50Klb.....	363TSM1-50Klb-10m.....	7.4
100Klb.....	363TSM1-100Klb-10m.....	27.6
200Klb.....	363TSM1-200Klb-10m.....	43.4

PART NUMBER

Cable Length: 6m		
Rated Capacity	Part No.	Weight Approx. (kg)
500kg.....	363TSM1-500kg.....	-
1.2t.....	363TSM1-1.2t.....	2.0
2.5t.....	363TSM1-2.5t.....	3.2
5t.....	363TSM1-5t.....	3.2
12t.....	363TSM1-12t.....	7.4
25t.....	363TSM1-25t.....	7.4
50t.....	363TSM1-50t.....	27.2
100t.....	363TSM1-100t.....	43.0

Cable Length: 10m		
Rated Capacity	Part No.	Weight Approx. (kg)
12t.....	363TSM1-12t-10m.....	7.4
25t.....	363TSM1-25t-10m.....	7.4
50t.....	363TSM1-50t-10m.....	27.6
100t.....	363TSM1-100t-10m.....	43.4

MOUNTING TOP PLATE



DIMENSIONS									
RATED CAPACITY	C1	C2	H	H1	L	L1	W	W1	T
Klb/inches									
1-2.5	0.35	3.50	4.33	3.54	4.33	3.54	0.50	0.24	5/16-18 UNC-2B
5-10	0.43	4.25	5.12	4.33	5.12	4.33	0.63	0.35	3/8-16 UNC-2B
25-50	0.53	4.96	6.22	4.92	6.22	4.92	0.79	0.47	1/2-20 UNF-2B
100	0.83	7.05	9.84	8.11	9.84	8.11	1.00	0.55	3/4-16 UNF-2B
200	1.06	8.15	11.22	8.86	11.22	8.86	1.50	0.91	1-14 UNS-2B
t/mm									
0.5-1.2	9.0	89.0	110.0	90.0	110.0	90.0	12.7	6.2	M8×1.25
2.5-5	11.0	108.0	130.0	110.0	130.0	110.0	16.0	9.0	M10×1.5
12-25	13.5	126.0	158.0	125.0	158.0	125.0	20.0	12.0	M12×1.75
50	21.0	179.0	250.0	206.0	250.0	206.0	25.4	13.9	M18X2.5
100	27.0	207.0	285.0	225.0	285.0	225.0	38.1	23.1	M24X3

PART NUMBER

Rated Capacity	Part No.	Weight Approx. (kg)
1Klb-2.5Klb.....	TP363TSM1-(1-2.5)Klb.....	1.3
5Klb-10Klb.....	TP363TSM1-(5-10)Klb.....	2.2
25Klb-50Klb.....	TP363TSM1-(25-50)Klb.....	4.0
100Klb.....	TP363TSM1-100Klb.....	13.0
200Klb.....	TP363TSM1-200Klb.....	25.0

PART NUMBER

Rated Capacity	Part No.	Weight Approx. (kg)
0.5t-1.2t.....	TP363TSM1-(0.5-1.2)t.....	1.3
2.5t-5t.....	TP363TSM1-(2.5-5)t.....	2.2
12t-25t.....	TP363TSM1-(12-25)t.....	4.0
50t.....	TP363TSM1-50t.....	13.0
100t.....	TP363TSM1-100t.....	25.0

Product Datasheet Disclaimer

Information Changes:

All product specifications, statements, information, and data (collectively, the "Information") in this catalog or made available elsewhere by ANYLOAD are subject to change. Customers must verify the applicability of the Information at the time of order placement.

Accuracy and Reliability:

While all Information is believed to be accurate and reliable, it is presented without guarantee, warranty, or responsibility of any kind, expressed or implied.

Laboratory Conditions:

Data listed in the datasheet is produced within controlled laboratory settings and may not be reproducible without exact replication of all metrological conditions. Users must validate that a product with the described properties is suitable for their applications.

Interchangeability:

Statements of interchangeability with other manufacturers are based on ANYLOAD's knowledge at the time of publication and are not intended to constitute any warranty concerning the substitutability of an ANYLOAD product with one made by another Manufacturer.

Warranty Voidance:

Any use of the product outside of specifications or any storage or installation inconsistent with product guidance voids any warranty.

Intended Use:

The information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. ANYLOAD provides technical advice without obligation or liability for the advice given or results obtained.

Component Failures:

Although ANYLOAD designs and manufactures its products to stringent quality and safety standards, isolated component failures may still occur. Applications requiring high reliability or safety should employ suitable designs or safeguards to ensure that component failure does not result in personal injury or property damage.

High-Risk Applications:


Unless specifically agreed to in writing, ANYLOAD has not tested or certified its products, services, or deliverables for use in high-risk applications (e.g., medical life support, nuclear facilities, weapon systems). ANYLOAD makes no assurances that the products are suitable for high-risk uses. Under no circumstances does ANYLOAD warrant or guarantee suitability for any customer design or manufacturing process.

Contact authorized ANYLOAD personnel for special terms and conditions regarding products designed for specific safety requirements.

Safety Measures:

All product-related warnings, cautions, and notes must be observed. Customers should not assume that all safety measures are indicated or that other measures may not be required.

California Proposition 65:

 **WARNING:** Some products manufactured or distributed by ANYLOAD may contain trace amounts of chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. These substances are present in minimal quantities and are typically encapsulated within our products. This warning is provided to enable you to make informed decisions as a consumer.