

## Stainless Steel, US Patent

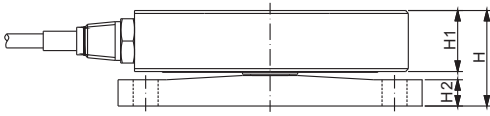
### ThinWeigh®



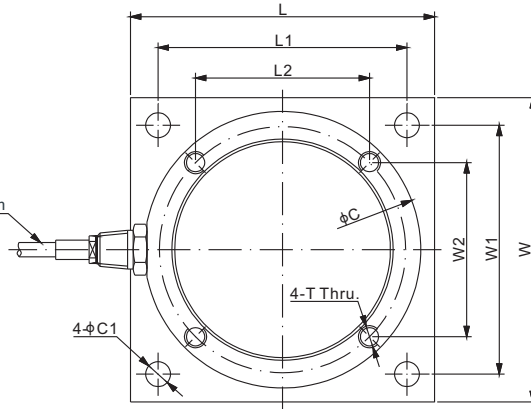
#### Features:

- 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
<b>Klb/inches</b>												
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
<b>t/mm</b>												
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

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

#### AVAILABLE OPTIONS

- Alloy Steel construction: 363THM1 (for 100Klb and 200Klb only)

### 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

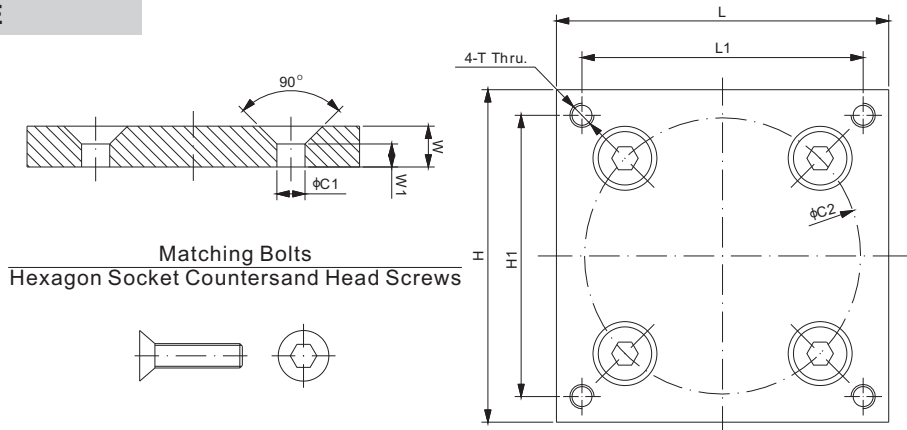
**Cable Length: 6m**

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



RATED CAPACITY	DIMENSIONS								
	C1	C2	H	H1	L	L1	W	W1	T
<b>Klb/inches</b>									
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
<b>t/mm</b>									
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

All product specifications, statements, information and data (collectively, the "Information") in this catalog or made available elsewhere by ANYLOAD are subject to change. The customer is responsible for checking and verifying the extent to which the Information contained in this publication is applicable to an order at the time the order is placed. All Information given herein is believed to be accurate and reliable, but it is presented without guarantee, warranty, or responsibility of any kind, expressed or implied.

Data listed in the datasheet is produced within controlled laboratory settings and may not be reproducible without exact replication of all conditions. It is the customer's responsibility to validate that a particular product with the properties described in the product specifications is suitable for use in their applications. Statements of interchangeability with other manufacturers are based on ANYLOAD's knowledge of product information at the time a publication was made, but are not intended to constitute any warranty concerning the substitutability of an ANYLOAD product with one made by another manufacturer.

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

The information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by ANYLOAD with reference to the use of ANYLOAD's products produces no obligation or liability for the advice given or results obtained.

Although ANYLOAD designs and manufactures its products to the most stringent quality and safety standards, isolated component failures may still occur. Accordingly, customer applications which require a high degree of reliability or safety should employ suitable designs or other safeguards in order to ensure that the failure of an electrical component does not result in a risk of personal injury or property damage.

Unless specifically agreed to in writing, ANYLOAD has not tested or certified its products, services or deliverables for use in high risk applications including medical life support, medical device, direct physical patient contact, water treatment, nuclear facilities, weapon systems, mass and air transportation control, flammable environments, or any other potentially life critical uses. Customer understands and agrees that ANYLOAD makes no assurances that the products, services or deliverables are suitable for any high-risk uses. Under no circumstances does ANYLOAD warrant or guarantee suitability for any customer design or manufacturing process. Although all product - related warnings, cautions and notes must be observed, the customer should not assume that all safety measures are indicated or that other measures may not be required. Please contact authorized ANYLOAD personnel to obtain special terms and conditions regarding products designed for such applications or otherwise satisfy specific safety requirements.