

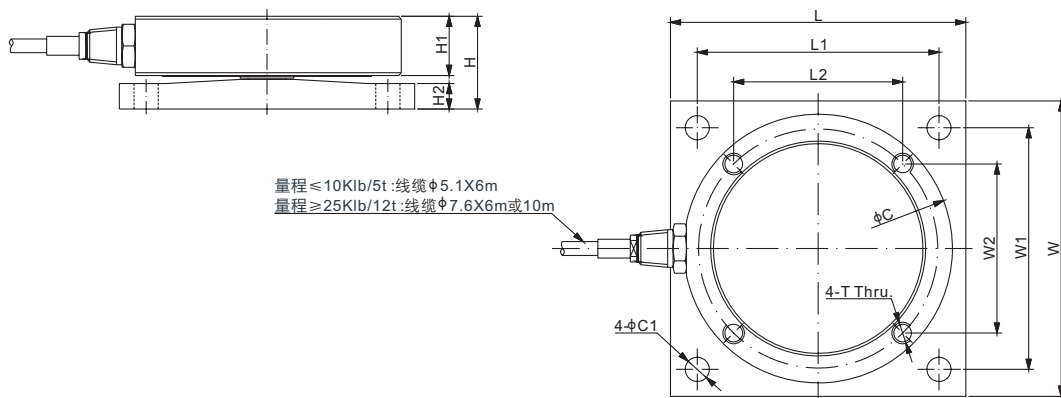
## 不锈钢, 美国专利



## 特点:

- 超薄、非常轻薄, 非常适合有限空间应用, 如罐、料斗称重或其它称重
- 不锈钢密封结构, IP68/IP69K
- 允许360°热膨胀
- 升力保护 & 侧面保护
- 安装前无需组装

安装顶板(图中未显示): 单独订购



量程 ≤ 10Klb/5t: 线缆 Φ5.1X6m  
量程 ≥ 25Klb/12t: 线缆 Φ7.6X6m 或 10m

## 尺 寸

| 量程                | 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          |

## 技术参数

|      |                                                                                                        |               |                                                             |
|------|--------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------|
| 灵敏度  | 3.0 mV/V ± 0.25%                                                                                       | 原材料           | 17-4PH 不锈钢                                                  |
| 零位输出 | 量程 ≤ 1.2t/2.5Klb: ≤ ± 0.04 mV/V<br>量程 ≥ 2.5t/5Klb: ≤ ± 0.02 mV/V                                       | 额定激励电压        | 10V (15V 最大)                                                |
| 非线性  | 量程 ≤ 1.2t/2.5Klb: < ± 0.05%;<br>量程: 2.5t-12t/5K-25Klb: < ± 0.1% 或 < ± 0.3%<br>量程 ≥ 25t/50Klb: < ± 0.3% | 绝缘阻抗          | > 2 [50V DC] GΩ                                             |
| 重复性  | < ± 0.05%                                                                                              | 热膨胀 / 收缩或微小误差 | 500kg - 5t / 1K - 10Klb: 2mm<br>12t - 100t / 25K - 50t: 3mm |
| 滞后误差 | 量程 ≤ 1.2t/2.5Klb: < ± 0.05%;<br>量程: 2.5t-12t/5K-25Klb: < ± 0.1% 或 < ± 0.3%<br>量程 ≥ 25t/50Klb: < ± 0.3% | 正常工作温度范围      | -10°C - 50°C / 14°F - 122°F                                 |
| 蠕变   | < ± 0.05%                                                                                              | 安全极限载荷        | 150% 满量程                                                    |
| 输入阻抗 | 700Ω ± 10                                                                                              | 破坏极限载荷        | 300% 满量程                                                    |
| 输出阻抗 | 700Ω ± 5                                                                                               | 升力保护          | 50% 满量程                                                     |
|      |                                                                                                        | 侧面保护          | 50% 满量程                                                     |
|      |                                                                                                        | 密封方式          | 密封 / IP68/IP69K                                             |
|      |                                                                                                        | 接线方式          | Exc+ 红 Exc- 黑<br>Sig+ 绿 Sig- 白 屏蔽线                          |

## 可 选

■ 合金钢结构: 363THM1

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货 号

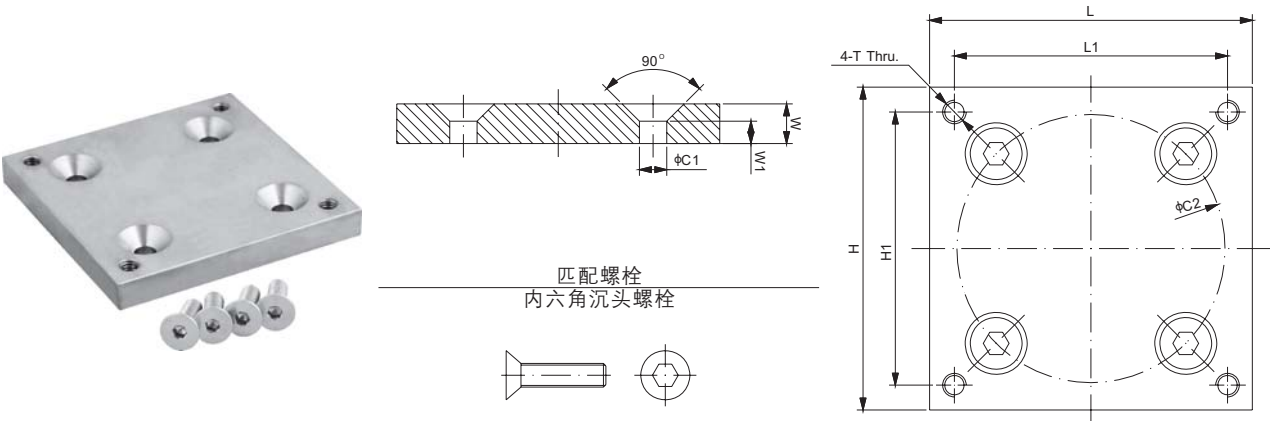
线缆长度: 6m

| 量程          | 货号                  | 毛重(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   |

线缆长度: 10m

| 量程          | 货号                      | 毛重(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   |

安装顶板



尺 寸

| 量程                | 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 | M18×2.5        |
| 100               | 27.0 | 207.0 | 285.0 | 225.0 | 285.0 | 225.0 | 38.1 | 23.1 | M24×3          |

货 号

量程 货号 毛重(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 |

货 号

线缆长度: 6m

| 量程         | 货号                 | 毛重(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   |

线缆长度: 10m

| 量程        | 货号                    | 毛重(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   |