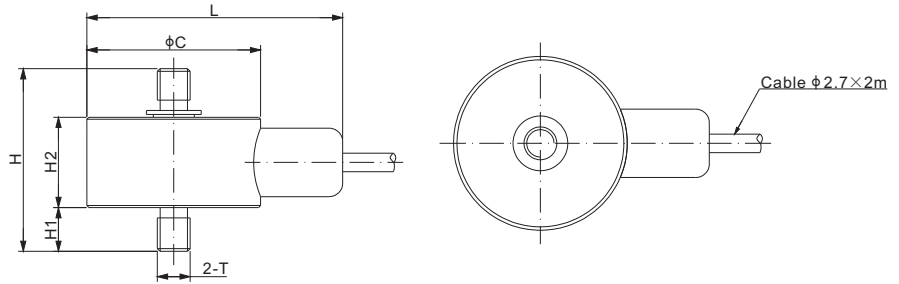
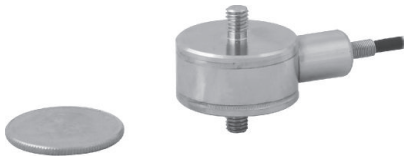


247BSWM

Stainless Steel

FORCE MEASUREMENT



DIMENSIONS

| RATED CAPACITY | C | L | H | H1 | H2 | T |
|---|------|------|------|------|------|---------------|
| lb/inches | | | | | | |
| 10 | 0.75 | 1.22 | 1.01 | 0.25 | 0.45 | #6-32 UNC-2A |
| 25-100 | 1.00 | 1.47 | 1.05 | 0.25 | 0.52 | #10-32 UNF-2A |
| 250-1,000 | 1.00 | 1.77 | 1.32 | 0.38 | 0.53 | 1/4-28 UNF-2A |
| 2,000-3,000 | 1.00 | 1.77 | 1.75 | 0.50 | 0.72 | 3/8-24 UNF-2A |
| 5,000 | 1.25 | 2.02 | 2.23 | 0.63 | 0.94 | 1/2-20 UNF-2A |
| 7,500-10,000 | 1.38 | 2.15 | 2.88 | 0.88 | 1.09 | 3/4-16 UNF-2A |
| kg/mm (conversion of above dimensions) | | | | | | |
| 4.54 | 19.1 | 31.1 | 25.7 | 6.4 | 11.4 | #6-32 UNC-2A |
| 11.34-45.36 | 25.4 | 37.4 | 26.7 | 6.4 | 13.2 | #10-32 UNF-2A |
| 113.40-453.6 | 25.4 | 44.9 | 33.5 | 9.7 | 13.4 | 1/4-28 UNF-2A |
| 907.18-1,360.78 | 25.4 | 44.9 | 44.5 | 12.7 | 18.3 | 3/8-24 UNF-2A |
| 2,267.96 | 31.8 | 51.3 | 56.6 | 16.0 | 23.9 | 1/2-20 UNF-2A |
| 3,401.94-4,535.92 | 34.9 | 54.0 | 73.2 | 22.4 | 27.7 | 3/4-16 UNF-2A |

SPECIFICATIONS

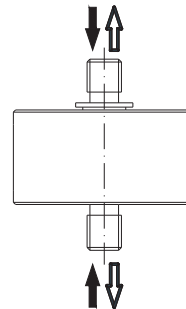
| | | | |
|--------------------------|----------------|----------------------------------|-------------------------------|
| Full Scale Output | 2.0 mV/V ± 20% | Element Material | Stainless Steel |
| Zero Balance | ± 0.04mV/V | Recommended Excitation | 5V (10V Maximum) |
| Non-linearity | < ± 0.2% | Insulation Resistance | > 2 [50V DC] GΩ |
| Repeatability | < ± 0.1% | Nominal Temperature Range | -10°C to 40°C / 14°F to 104°F |
| Hysteresis Error | < ± 0.2% | Safe Overload | 150% of full scale |
| Creep in 30 min. | < ± 0.2% | Breaking Overload | 300% of full scale |
| Input Resistance | 375Ω ± 25 | Seal Type / IP Rating | Environmentally Sealed / IP66 |
| Output Resistance | 350Ω ± 3 | | |

PART NUMBER*

| Rated Capacity | Part No. | Weight Approx. (kg) |
|----------------|---------------------|---------------------|
| 10lb..... | 247BSWM-10lb..... | 0.10 |
| 25lb..... | 247BSWM-25lb..... | 0.12 |
| 50lb..... | 247BSWM-50lb..... | 0.12 |
| 100lb..... | 247BSWM-100lb..... | 0.12 |
| 250lb..... | 247BSWM-250lb..... | 0.12 |
| 500lb..... | 247BSWM-500lb..... | 0.12 |
| 1Klb..... | 247BSWM-1Klb..... | 0.12 |
| 2Klb..... | 247BSWM-2Klb..... | 0.20 |
| 3Klb..... | 247BSWM-3Klb..... | 0.20 |
| 5Klb..... | 247BSWM-5Klb..... | 0.20 |
| 7.5Klb..... | 247BSWM-7.5Klb..... | 0.40 |
| 10Klb..... | 247BSWM-10Klb..... | 0.40 |

* ATEX, FM, IECEx approved versions carry the "-Ex" suffix.

APPLICATION EXAMPLES



Compression:

+Output cable Color Code:
 Exc+ Red Exc- Black
 Sig+ Green Sig- White
 Shield Bare

Tension:

+Output cable Color Code:
 Exc+ Red Exc- Black
 Sig+ White Sig- Green
 Shield Bare

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