



SINGLE ENDED BEAMS



DIMENSIONS

| RATED CAPACITY | C1 | C2 | C3 | C4 | H | H1 | H2 | H3 | L | L1 | L2 | L3 | L4 | L5 | L6 | L7 | W | W1 | W2 | T |
|---|------|------|------|------|------|------|------|------|-------|-------|-------|------|------|-------|------|------|------|------|------|---------------------|
| Klb/inches | | | | | | | | | | | | | | | | | | | | |
| 1-5 | 1.25 | 0.62 | 0.53 | 0.53 | 1.43 | 1.18 | 0.34 | 0.22 | 8.00 | 6.38 | 3.87 | 2.50 | 0.76 | 4.00 | 2.50 | 0.76 | 1.43 | 1.00 | 1.43 | 8-32 UNC Depth0.37 |
| 10 | 1.50 | 0.87 | 0.84 | 0.84 | 1.70 | 1.08 | 0.39 | 0.22 | 9.25 | 7.51 | 4.87 | 2.62 | 0.89 | 4.40 | 2.62 | 0.89 | 1.70 | 1.12 | 1.70 | 10-32 UNF Depth0.37 |
| 20 | 1.87 | 1.25 | 1.06 | 1.06 | 2.37 | 0.82 | 0.37 | 0.22 | 11.0 | 8.50 | 5.50 | 3.25 | 1.00 | 5.24 | 3.25 | 1.00 | 2.37 | 1.75 | 2.37 | 10-32 UNF Depth0.37 |
| kg/mm (conversion of above dimensions) | | | | | | | | | | | | | | | | | | | | |
| 453.6-2,268 | 31.8 | 15.8 | 13.5 | 13.5 | 36.3 | 30.0 | 8.6 | 5.5 | 203.2 | 162.0 | 98.3 | 63.5 | 19.3 | 101.6 | 63.5 | 19.3 | 36.3 | 25.4 | 36.3 | 8-32 UNC Depth9.4 |
| 4,535.9 | 38.1 | 22.1 | 21.3 | 21.3 | 43.2 | 27.4 | 9.9 | 5.5 | 235.0 | 190.8 | 123.7 | 66.6 | 22.6 | 111.8 | 66.6 | 22.6 | 43.2 | 28.5 | 43.2 | 10-32 UNF Depth9.4 |
| 9,071.8 | 47.5 | 31.8 | 26.9 | 26.9 | 60.2 | 20.8 | 9.4 | 5.5 | 279.4 | 215.8 | 139.7 | 82.6 | 25.3 | 133.2 | 82.6 | 25.3 | 60.2 | 44.5 | 60.2 | 10-32 UNF Depth9.4 |

| SPECIFICATIONS | | | |
|-------------------|----------------------------|-------------------------------|-------------------------------|
| Full Scale Output | 2.0 mV/V ± 0.07% | Recommended Excitation | 10V (15V Maximum) |
| Zero Balance | ± 0.02 mV/V | Insulation Resistance | > 2 [50V DC] GΩ |
| Non-linearity | < ± 0.017% | Compensated Temperature Range | -10°C to 50°C / 14°F to 122°F |
| Repeatability | < ± 0.017% | Safe Overload | 150% of full scale |
| Hysteresis Error | < ± 0.017% | Breaking Overload | 300% of full scale |
| Creep in 30 min. | < ± 0.023% | Seal Type / IP Rating | Environmentally Sealed / IP67 |
| Input Resistance | 350Ω ± 7 | Cable Color Code | Exc+ Red Exc- Black |
| Output Resistance | 350Ω ± 3 | | Sig+ Green Sig- White |
| Element Material | Alloy Steel, Nickel Plated | | Shield Bare |

| PART NUMBER | | |
|----------------|----------------|---------------------|
| Rated Capacity | Part No. | Weight (kg) Approx. |
| 1Klb | 563YHMS-1Klb | 2.5 |
| 2.5Klb | 563YHMS-2.5Klb | 2.5 |
| 4Klb | 563YHMS-4Klb | 2.5 |
| 5Klb | 563YHMS-5Klb | 2.5 |
| 10Klb | 563YHMS-10Klb | 3.8 |
| 20Klb | 563YHMS-20Klb | 7.5 |

| INTERCHANGEABLE PRODUCTS | |
|--------------------------|----------------------|
| Manufacturer | Model |
| Coti Global | CG-SB2L/SB2M |
| Coti Global | CG-743 |
| Mettler-Toledo | Masstron ML4311~4449 |
| Rice Lake | RLSB2MLW* |
| Rice Lake | RLSB2L** |

* RLSB2MLW is stainless steel for capacities 1Klb-20Klb;
 ** RLSB2L is alloy steel for capacities 35Klb & 45Klb.

1Klb-2.5Klb: NTEP 1:5 000 Class III, Single Cell;
 NTEP 1:9 500 Class III, Multiple Cell
 4Klb-20Klb: NTEP 1:6 000 Class III, Single Cell;
 NTEP 1:10 000 Class III, Multiple Cell

1Klb-5Klb: OIML MAA C5, Y=26 000;
 10Klb-20Klb: OIML MAA C6, Y=8 500