



| RATED CAPACITY     | DIMENSIONS |      |      |       |       |       |      |      |      |               |  |
|--------------------|------------|------|------|-------|-------|-------|------|------|------|---------------|--|
|                    | C1         | C2   | H    | L     | L1    | L2    | L3   | L4   | W    | T             |  |
| <b>lb/inches</b>   |            |      |      |       |       |       |      |      |      |               |  |
| 500-4,000; SE5,000 | 0.53       | 0.53 | 1.22 | 5.12  | 2.25  | 3.00  | 1.00 | 0.62 | 1.22 | 1/2-20 UNF-2B |  |
| 5,000-10,000       | 0.79       | 0.79 | 1.50 | 6.75  | 3.00  | 3.75  | 1.50 | 0.75 | 1.50 | 3/4-16 UNF-2B |  |
| 15,000-20,000      | 1.03       | 1.03 | 2.00 | 8.75  | 4.00  | 4.75  | 2.00 | 1.00 | 2.00 | 1-14 UNS-2B   |  |
| <b>kg/mm</b>       |            |      |      |       |       |       |      |      |      |               |  |
| 250-2,000          | 13.5       | 13.5 | 31.0 | 130.0 | 57.2  | 76.2  | 25.4 | 15.8 | 31.0 | M12X1.75      |  |
| 3,000;5,000        | 20.0       | 20.0 | 38.1 | 171.5 | 76.2  | 95.3  | 38.1 | 19.1 | 38.1 | M18X1.50      |  |
| 10,000             | 26.2       | 26.2 | 50.8 | 222.3 | 101.6 | 120.7 | 50.8 | 25.4 | 50.8 | M24X2.00      |  |

| SPECIFICATIONS           |  |                                      |   |
|--------------------------|--|--------------------------------------|---|
| <b>Full Scale Output</b> | 563YS: 2.0 ± 0.25% mV/V<br>563YS30: 3.0 ± 0.25% mV/V | <b>Recommended Excitation</b>        | 10V (15V Maximum)   |
| <b>Zero Balance</b>      | ± 0.02 mV/V  | <b>Insulation Resistance</b>         | >2 [ 50V DC ] GΩ  |
| <b>Non-linearity</b>     | < ± 0.023%   | <b>Compensated Temperature Range</b> | -10°C to 50°C / 14°F to 122°F                                       |
| <b>Repeatability</b>     | < ± 0.023%   | <b>Safe Overload</b>                 | 150% of full scale  |
| <b>Hysteresis Error</b>  | < ± 0.023%   | <b>Breaking Overload</b>             | 300% of full scale  |
| <b>Creep in 30 min.</b>  | < ± 0.030%   | <b>Seal Type / IP Rating</b>         | Welded Seal / IP68  |
| <b>Input Resistance</b>  | 350 Ω ± 7  | <b>Cable Color Code</b>              | Exc+ Red      Exc- Black<br>Sig+ Green    Sig- White<br>Shield Bare |
| <b>Output Resistance</b> | 350 Ω ± 3  |                                      |   |
| <b>Element Material</b>  | 17-4PH Stainless Steel                               |                                      |   |

| PART NUMBER    |                      |                              |
|----------------|----------------------|------------------------------|
| Rated Capacity | Part No.             | Shipping Weight (kg) Approx. |
| 500lb.....     | 563YS-500lb .....    | 1.0                          |
|                | 563YS30GS-500lb..... | 1.0                          |
| 1Klb.....      | 563YS-1Klb .....     | 1.0                          |
|                | 563YS30-1Klb.....    | 1.0                          |
| 2.5Klb.....    | 563YS-2.5Klb .....   | 1.0                          |
|                | 563YS30-2.5Klb.....  | 1.0                          |
| 4Klb.....      | 563YS-4Klb .....     | 1.0                          |
|                | 563YS30-4Klb.....    | 1.0                          |
| SE5Klb.....    | 563YS-SE5Klb .....   | 1.0                          |
|                | 563YS30-SE5Klb ..... | 1.0                          |
| 5Klb.....      | 563YS-5Klb .....     | 1.8                          |
|                | 563YS30-5Klb.....    | 1.8                          |
| 10Klb.....     | 563YS-10Klb .....    | 1.8                          |
|                | 563YS30-10Klb .....  | 1.8                          |
| 15Klb.....     | 563YS-15Klb .....    | 4.1                          |
|                | 563YS30-15Klb .....  | 4.1                          |
| 20Klb.....     | 563YS-20Klb .....    | 4.1                          |
|                | 563YS30-20Klb .....  | 4.1                          |
| 250kg.....     | 563YS-250kg .....    | 1.0                          |
| 500kg.....     | 563YS-500kg .....    | 1.0                          |
| 1t.....        | 563YS-1t .....       | 1.0                          |
| 2t.....        | 563YS-2t .....       | 1.0                          |
| 3t.....        | 563YS-3t .....       | 1.8                          |
| 5t.....        | 563YS-5t .....       | 1.8                          |
| 10t.....       | 563YS-10t.....       | 4.1                          |

- Environmentally sealed for 563YS30, capacity=500lb  
- SE refers to small envelope

| WEIGH MODULE |      |
|--------------|------|
| Model        | Page |
| 563YSM3..... | 132  |

| INTERCHANGEABLE PRODUCTS       |              |
|--------------------------------|--------------|
| Manufacturer                   | Model        |
| 563YS                          |              |
| Cardinal.....                  | TB           |
| Coti Global.....               | CG-23-SSW-02 |
| Rice Lake.....                 | RL35082      |
| Rice Lake.....                 | RLHTO        |
| Vishay Sensortronics.....      | 65083S       |
| Vishay Tedeo-Huntleigh.....    | 3510-kg      |
| 563YS30                        |              |
| Coti Global.....               | CG-23-SSW-03 |
| HBM.....                       | B35*         |
| HBM.....                       | H35**        |
| Mettler-Toledo.....            | 0793         |
| Rice Lake.....                 | RL35023S*    |
| Rice Lake.....                 | RL35083      |
| Rice Lake.....                 | RL39123      |
| Vishay Celtron.....            | SQB-HSS      |
| Vishay Revere Transducers..... | 9123         |
| Vishay Sensortronics.....      | 65023S*      |
| Vishay Sensortronics.....      | 65023SS***   |
| Vishay Sensortronics.....      | 65083        |
| Vishay Tedeo-Huntleigh.....    | 3510-lbs     |

\* Environmentally sealed

\*\* Welded seal

\*\*\* Environmentally sealed for capacities 1Klb-10Klb

563YS, 1Klb-10Klb: NTEP 1:5 000 Class III, Multiple Cell

563YS, capacity from 3t to 10t & 10K to 20Klb: OIML MAA C6, Y=85 000  
563YS30, capacity from 1Klb to 5Klb: OIML MAA C4, Y=15 000