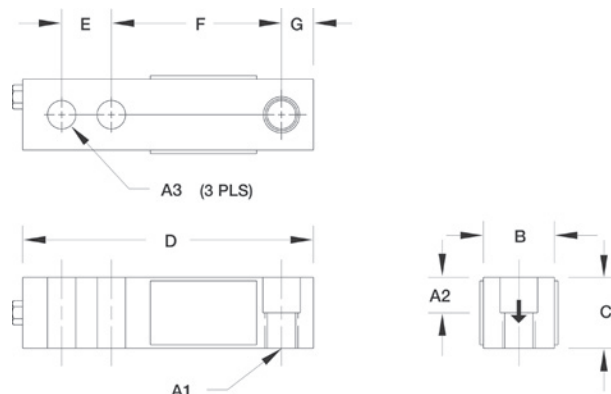


## RL35023S

Single-ended Beam, Stainless Steel, NTEP Certified 1:5000 Class III Multiple Cell, IP67



Picture is a representation of actual product



### Specifications

**Full Scale Output:**

3.0 mV/V

**Output Resistance:**

349-355 ohms

**Input Resistance:**

343-357 ohms

**Material/Finish:**

Stainless steel

**Temperature:**

Compensated range  
14°F to 104°F/-10°C to 40°C  
Operating range  
-40°F to 150°F/-40°C to 65°C

**Safe Overload:**

150% full scale

**Safe Sideload:**

100% full scale

**Rated Excitation:**

5-10 VDC (15 V maximum)

**Nonlinearity:**

0.03% full scale

**Deflection at Capacity:**

500 lb-1,500 lb=0.013 in (0.33 mm)  
1,000 lb-5,000 lb=0.017 in-0.025 in  
(0.4318 mm-0.635 mm)  
5,000 lb-10,000 lb=0.025 in-0.035 in  
(0.635 mm-0.889 mm)  
15,000 lb-20,000 lb=0.048 in-0.013 in  
(1.2912 mm-0.3302 mm)

**Seal Type:**

Environmentally sealed, IP67

**Cable Length:**

20 ft (6.1 m)

**Cable Diameter:**

0.200 polyurethane jacket

**Cable Coloring:**

Red .....+ Excitation  
Black.....- Excitation  
Green.....+ Signal  
White.....- Signal

**Hysteresis:**

0.02% full scale

**Insulation Resistance:**

5,000 megohms

**Warranty:**

Two-year limited warranty

**Approvals:**


### Dimensions

| RATED CAPACITY   | A1            | A2   | A3   | A4       | B    | C    | D     | E    | F    | G    |
|------------------|---------------|------|------|----------|------|------|-------|------|------|------|
| <b>lb/inches</b> |               |      |      |          |      |      |       |      |      |      |
| 1,000-4,000      | 1/2-20 UNF-2B | 0.62 | 0.53 | 0.53 dia | 1.25 | 1.25 | 5.12  | 1.00 | 3.00 | 0.50 |
| 5000-10,000      | 3/4-16 UNF-2B | 0.75 | 0.78 | 0.78 dia | 1.50 | 1.50 | 6.75  | 1.50 | 3.75 | 0.75 |
| <b>kg/mm</b>     |               |      |      |          |      |      |       |      |      |      |
| 453.6-1,814.4    | 1/2-20 UNF-2B | 15.8 | 13.5 | 13.5 dia | 31.8 | 31.8 | 130.1 | 25.4 | 76.2 | 12.7 |
| 2,268.0-4,535.9  | 3/4-16 UNF-2B | 19.1 | 19.8 | 19.8 dia | 38.1 | 38.1 | 171.5 | 38.1 | 95.3 | 19.1 |

### Order Information

| LOAD RATING                                                                 |              | PART # | EST. SHIPPING WEIGHT | PRICE   |
|-----------------------------------------------------------------------------|--------------|--------|----------------------|---------|
| 1,000 lb                                                                    | (453.6 kg)   | 30649  | 3 lb                 | Consult |
| 2,000 lb                                                                    | (907.2 kg)   | 30650  | 3 lb                 | Consult |
| 2,500 lb                                                                    | (1,134.0 kg) | 30651  | 3 lb                 | Consult |
| 4,000 lb                                                                    | (1,814.4 kg) | 30652  | 3 lb                 | Consult |
| 5,000 lb                                                                    | (2,268.0 kg) | 30653  | 5 lb                 | Consult |
| 10,000 lb                                                                   | (4,535.9 kg) | 30654  | 5 lb                 | Consult |
| <b>Conduit Adapter Kit (must be factory installed to maintain warranty)</b> |              |        |                      |         |
| 3/8-24 nipple                                                               |              | 31533* | 1 lb                 | Consult |
| 3/8-24 to 1/4-18 NPT                                                        |              | 31534* | 1 lb                 | Consult |

\* PN 31533 and PN 31534 must be installed together to form the Conduit Adapter Kit

### Interchangeable Products

| MANUFACTURER       | MODEL    | PAGE # |
|--------------------|----------|--------|
| VPG Sensortronics® | 65023 S  | 311    |
| VPG Sensortronics  | 65023 SS | 306    |
| VPG Celtron®       | SQB-HSS  | 201    |

### Weigh Module Available

| MANUFACTURER               | MODEL         | PAGE # |
|----------------------------|---------------|--------|
| Rice Lake Weighing Systems | RL50210       | 52     |
| Rice Lake Weighing Systems | RL1800 Series | 62     |