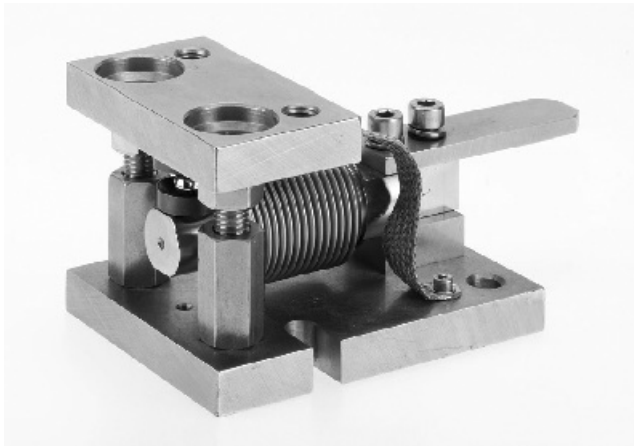


## Low Capacity Weigh Module



### FEATURES

- Available in Capacities from 11 to 1.1K Pounds
- Load Beam Hermetically Sealed to IP68
- High Grade Stainless Steel Construction
- Overload and Uplift Safety Protection
- Accommodates Process Dynamics and Thermal Expansion
- NTEP Certificate of Conformance
- FM and OIML Approved

### DESCRIPTION

EZ-Mount Weigh Modules are designed for maximum accuracy coupled with a high degree of resistance to the adverse effects of overload and sideload forces. Each module consists of a bending beam transducer packaged in a rugged stainless steel mounting system. Specifically designed for use on low capacity process vessels, modules meet IP68 and NEMA 6 immersion requirements and mechanically resist high overload and sideload forces. Built in load adaption technology automatically compensates for vessel thermal expansion and contraction.

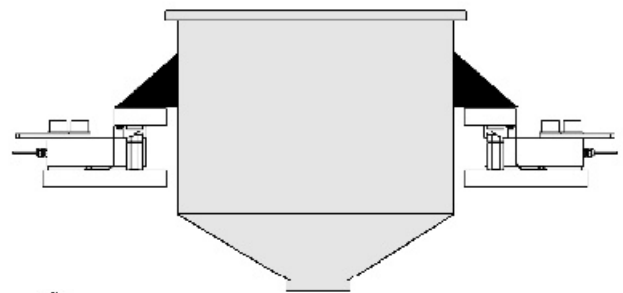
A substantial protection plate, positioned above the cable entry gland, prevents damage from plant debris and traffic.

Simplified bolting patterns expedite both retrofit and new vessel installations. EZ-Mount modules can be fully installed without the load beam, reducing any risk of load cell failure. After installation, simply slide the beam into place and adjust the overload safety stops.

In frequent washdown areas, the ground strap may be removed (after installation) without affecting module performance.

### APPLICATIONS

- Storage Tank Weighing
- Bin/Hopper Scale Conversion
- Level System Measurement
- Loss-In-Weight Feeders



### SPECIFICATIONS

#### PERFORMANCE

|                      |  |
|----------------------|--|
| Capacities           | 11 to 1.1K lb (5, 10, 20, 50, 100, 200, 250, and 500 kg) |
| Rated Output (RO)    | 2.0 mV/V +/-0.1%   |
| Repeatability        | 0.02% RO   |
| Combined Error*      | 0.015% RO  |
| Zero Balance         | 2% RO  |
| Creep (30 minutes)   | 0.03% RO   |
| Temperature Effects: |  |
| On Zero Balance      | 0.0013%RO/°F   |
| On Span              | 0.0008%Load/°F   |

#### ELECTRICAL

|                        |  |
|------------------------|--|
| Recommended Excitation | 10 Vdc (15 V max.)                             |
| Input Resistance       | 380 ohms +/-10 ohms                            |
| Output Resistance      | 350 ohms +10/-3 ohms                           |
| Cable Length           | 9.8 foot cable with 6 wire polyurethane jacket |

#### TEMPERATURE

|                   |               |
|-------------------|---------------|
| Safe Range        | -22 to +176°F |
| Compensated Range | +14 to +104°F |

\*beam specification only

#### ADVERSE LOAD RATINGS

|               |                     |
|---------------|---------------------|
| Safe Load     | 150% Rated Capacity |
| Ultimate Load | 300% Rated Capacity |

#### MATERIAL

|                 |                            |
|-----------------|----------------------------|
| Beam and Plates | high grade stainless steel |
|-----------------|----------------------------|

#### SEALING

|                     |       |
|---------------------|-------|
| Environmental Class | IP68* |
|---------------------|-------|

#### DEFLECTION

|                |             |
|----------------|-------------|
| All Capacities | <0.016 inch |
|----------------|-------------|

#### APPROVALS

|                |  |
|----------------|--|
| NTEP Class III | 4,000 single; 5,000 multiple             |
| OIML           | 4,000 divisions                          |
| FM             | Class I, II, III; Division 1, Groups A-G |

Vishay BLH is continually seeking to improve product quality and performance. Specifications may change accordingly.

### OUTLINE DIMENSIONS

