

# FAIRBANKS®

## OMNICELL® 9106 FB SERIES WEIGHING ASSEMBLY



Fairbanks' Omnicell 9106 FB Series is a compact, single-ended shear beam weighing assembly designed for superior performance in medium weight range applications that require protection from extreme hostile environments.

### APPLICATIONS

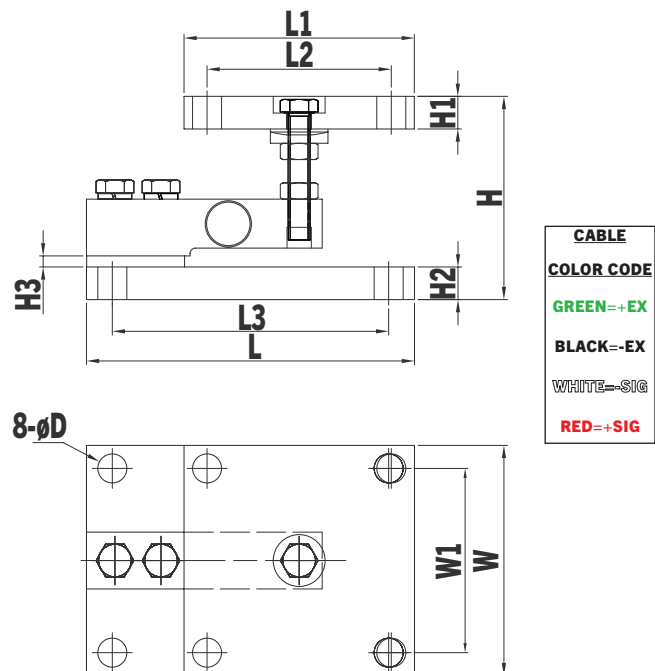
- Batching
- Mixing
- Blending
- High accuracy
- Process Reactors
- Tanks
- Bins
- Hoppers
- Conveyor / In-Motion
- Hostile Environments

### FEATURES

- Medium weight range Omnicells — 1,000 to 10,000 lb capacity models.
- Integral height adjustment of receiver plate for easy load balancing.
- Assembly allows for thermal expansion/contraction.
- High signal output, well-suited to high deadload situations.
- Articulating mounting plate accommodates non-planar misalignments of up to four degrees.
- Stainless steel, welded shear beam load cell.

### PERFORMANCE SPECIFICATIONS

Capacities . . . . . 1,000 to 10,000 lbs.  
 Mount Construction . . . . . Stainless steel  
 Load cell:  
 Full Scale Output (FS) . . . . . 3.0mV/v  $\pm$  0.25%  
 Combined Error . . . . .  $\leq$  0.03% FS  
 Non-Linearity . . . . .  $\leq$  0.03% FS  
 Hysteresis . . . . .  $\leq$  0.02% FS  
 Creep Error (20 min.) . . . . .  $\leq$  0.03% FS  
 Compensated Temperature . . . . . 14° F to 104° F (-10° C to 40° C)  
 Excitation Voltage . . . . . 5-15 VDC  
 Overload . . . . . Safe = 150%, Ultimate = 300%  
 Sideload . . . . . Safe = 100%  
 Rejection ratio . . . . . 500:1  
 Bridge Resistance . . . . . 350 ohms nominal  
 Construction . . . . . Stainless steel 17-4 PH  
 Sealing . . . . . IP68  
 Cable . . . . . 20 ft., polyurethane  
 Approvals . . . . . NTEP CC# 10-056,  
 Factory Mutual



### DIMENSIONS (in inches)

| Capacity               | L    | L1   | L2   | L3   | H           | H1   | H2   | H3   | W    | W1   | D    |
|------------------------|------|------|------|------|-------------|------|------|------|------|------|------|
| 1,000 lbs to 5,000 lbs | 7.12 | 5.00 | 4.00 | 6.00 | 3.94 - 4.72 | 0.71 | 0.71 | 0.24 | 5.00 | 4.00 | 0.63 |
| 10,000 lbs             | 8.50 | 5.00 | 4.00 | 7.00 | 5.12 - 5.91 | 1.02 | 1.02 | 0.24 | 5.00 | 4.00 | 0.63 |

### QuickFacts™

Models and specifications subject to change without notice.  
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Call toll-free for the Fairbanks representative nearest you:

**(800) 451-4107**

Fairbanks.com

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