

# RLSB2 Single-Ended Beam

Alloy Steel



## STANDARD FEATURES

- Replacement for Masstron® cells
- Full scale output: 2.0mV/V  $\pm$  .07% (matched)
- Bridge resistance: 350 ohms, nominal
- High-alloy steel, epoxy coated
- 35,000lb and 45,000lb hermetically sealed, IP67

Masstron is a registered trademark of Mettler-Toledo

## SPECIFICATIONS

### FULL SCALE OUTPUT:

2.0mV/V  $\pm$  .07% (matched)

### BRIDGE RESISTANCE:

350 ohms, nominal

### MATERIAL/FINISH:

High-alloy steel, epoxy coated

### TEMPERATURE:

Compensated range  
0°F to 150°F (-18°C to 65°C)

### SAFE OVERLOAD:

150% Full scale

### RATED EXCITATION:

10VDC (15V maximum)

### NONLINEARITY:

0.03% Full scale

### HYSTERESIS:

0.02% Full scale

### INSULATION RESISTANCE:

10,000 megohms

### SEAL TYPE:

35,000 and 45,000lb  
(15,875.7 and 20,411.7 kg)  
Hermetically sealed, IP67  
All others, Environmentally sealed

### CABLE LENGTH:

5000lb=10ft (3.1m)  
10,000lb=15ft (4.6m)  
35,000-45,000lb=30ft (9.2m)

### CABLE COLOR CODE:

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

### WARRANTY:

Two-year limited warranty

## DIMENSIONS

### RATED CAPACITY

lb/inches

|           | C    | C1   | H    | H1  | H2  | H3   | L     | L1   | L2   | L3   | L4   | W    |
|-----------|------|------|------|-----|-----|------|-------|------|------|------|------|------|
| 1000-5000 | .53  | .87  | 1.87 | .25 | .47 | 1.43 | 8.00  | .87  | 2.50 | 3.87 | 4.00 | 1.43 |
| 10,000    | .87  | 1.00 | 2.75 | .25 | .62 | 1.85 | 9.25  | .87  | 2.62 | 4.87 | 4.62 | 1.87 |
| 35,000    | 1.31 | 1.50 | 3.75 | .46 | .91 | 2.68 | 12.50 | 1.50 | 3.50 | 6.25 | 6.25 | 2.75 |
| 45,000    | 1.31 | 1.50 | 3.75 | .46 | .87 | 2.68 | 12.50 | 1.50 | 3.50 | 6.25 | 6.25 | 2.75 |

### kg/mm

|              |      |      |      |      |      |      |       |      |      |       |       |      |
|--------------|------|------|------|------|------|------|-------|------|------|-------|-------|------|
| 453.6-2268.0 | 13.5 | 22.1 | 47.5 | 6.4  | 11.9 | 36.3 | 203.2 | 22.1 | 63.5 | 98.3  | 101.6 | 36.3 |
| 4535.9       | 22.1 | 25.4 | 69.9 | 6.4  | 15.8 | 47.0 | 235.0 | 22.1 | 66.6 | 123.7 | 117.4 | 47.5 |
| 15,875.7     | 33.3 | 38.1 | 95.3 | 11.7 | 23.1 | 68.1 | 317.5 | 38.1 | 88.9 | 158.8 | 158.8 | 69.9 |
| 20,411.7     | 33.3 | 38.1 | 95.3 | 11.7 | 22.1 | 68.1 | 317.5 | 38.1 | 88.9 | 158.8 | 158.8 | 69.9 |

## LOAD RATING

## PART #

|                             |       |
|-----------------------------|-------|
| 5000lb (2268.0kg) .....     | 17213 |
| 10,000lb (4535.9kg) .....   | N/A   |
| 35,000lb (15,875.7kg) ..... | 17216 |
| 45,000lb (20,411.7kg) ..... | 17217 |

