# Rice Lake RL1040 Aluminum, Single Point Load Cell

*As of: Monday, August 3, 2026*

### Standard Features

It has potted cavities to provide improved performance in damp environments. It's NTEP Certified with a capacity range from 5 to 100 kilogram and is equipped with 10 feet of load cell cable.

### Approvals

WARNING: Cancer and Reproductive Harm California Proposition 65

## RL1040 Load Cell Specifications

**Full Scale Output:**
2.0 mV/V
**Output Resistance:**
350 (± 3) ohm
**Input Resistance:**
415 (± 5) ohm
**Material/Finish:**
Anodized aluminum
**Temperature:**
Compensated:
14 to 104 °F (-10 to 40 °C)
Operating:
0 to 150 °F (-18 to 65 °C)
**Seal Type:**
Potted, IP67

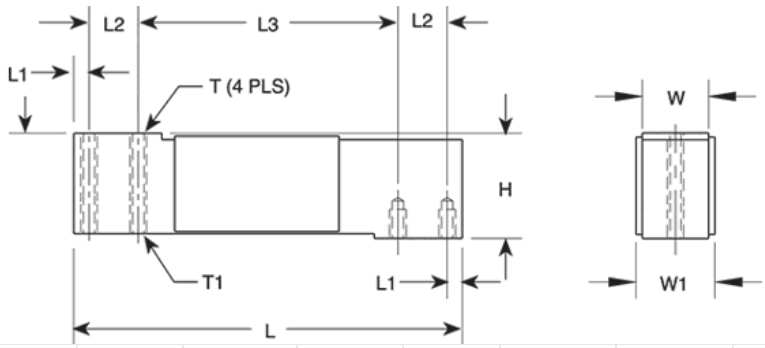
**Safe Overload:**
200% at center loading point, full scale
**Rated Excitation:**
5 to 10 VDC (15 V maximum)
**Combined Error:**
0.02% full scale
**Insulation Resistance:**
2,000 megohm
**Deflection at Capacity:**
0.4 mm
**Cable Length:**
10 ft
**Cable Diameter:**
0.200 in PVC jacket

**Cable Color Code:**
Green +Excitation
Black -Excitation
Red +Signal
White -Signal
Blue +Sense
Brown -Sense

**Max Platform Size:**
15.75 × 15.75 in
**Warranty:**
Two-year limited
**Approvals:**
NTEP 95-074
cFMus

| | | |
|---|---|---|
| Unpotted, IP65 | | |

## RL1040 Load Cell Dimensions




| RATED CAPACITY | H | L | L1 | L2 | L3 | T | T1 | W | W1 |
|---|---|---|---|---|---|---|---|---|---|
| KG/MM | | | | | | | | | |
| 5 to 100 | 40.0 | 150.0 | 5.95 | 19.1 | 100.0 | 1/4-20 UNC × 10 DP | 1/4-28 UNF × 10 DP | 25.4 | 29.4 |

## Potted IP67

| PART # | DESCRIPTION | LIST PRICE |
|---|---|---|
| 32860 | 7kg 7kg 10ft 2mV/V 350 OHM NTEP III 5 S AL Potted FM IP67 | List Price: $206.00 |
| 32861 | 10kg 10kg 10ft 2mV/V 350 OHM NTEP III 5 S Al Potted FM IP67 | List Price: $206.00 |
| 32862 | 15kg 15kg 10ft 2mV/V 350 OHM NTEP III 5 S Al Potted FM IP67 | List Price: $206.00 |
| 32863 | 20kg 20kg 10ft 2mV/V 350 OHM NTEP III 5 S Al Potted FM IP67 | List Price: $206.00 |
| 32864 | 30kg 30kg 10ft 2mV/V 350 OHM NTEP III 5 S Al Potted FM IP67 | List Price: $206.00 |
| 32865 | 50kg 50kg 10ft 2mV/V 350 OHM NTEP III 5 S Al Potted FM IP67 | List Price: $206.00 |
| 32866 | 100kg 100kg 10ft 2mV/V 350 OHM NTEP III 5 S Al Potted FM IP67 | List Price: $206.00 |

## Unpotted IP65

| PART # | DESCRIPTION | LIST PRICE |
|---|---|---|
| 32859 | 5kg 5kg 10ft 2mV/V 350 OHM NTEP III 5 S Al Unpotted FM IP65 | List Price: $206.00 |



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