

# RL20000I

Alloy Steel, Environmentally Sealed, NTEP Certified 1:5,000 III/1:10,000 IIII, IP67



Picture is a representation of actual product.

### Approvals



### Order Information

Load Rating	Part #	Est. Weight	Price
25 lb	21428	2 lb	Consult
50 lb	21429	2 lb	Consult
75 lb	21430	2 lb	Consult
100 lb	21431	2 lb	Consult
150 lb	21432	2 lb	Consult
200 lb	21433	2 lb	Consult
250 lb	21434	2 lb	Consult
300 lb	21435	2 lb	Consult
500 lb	21436	2 lb	Consult
750 lb	21437	2 lb	Consult
1,000 lb	21438	2 lb	Consult
1,500 lb	21439	2 lb	Consult
2,000 lb***	21356	2 lb	Consult
2,000 lb	21440	2 lb	Consult
2,500 lb	21441	2 lb	Consult
3,000 lb	21442	4 lb	Consult
5,000 lb***	17044	4 lb	Consult
5,000 lb	21443	4 lb	Consult
10,000 lb	21444	4 lb	Consult
15,000 lb	21445	7 lb	Consult
20,000 lb***	17045	17 lb	Consult
20,000 lb	21446	17 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
<b>Replacement Agriculture Scale Load Cell - 40 ft Cable</b>			
10,000 lb	151746	5 lb	Consult

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

\*\*\*These load cells have 30ft or 35ft of cable and trimmed outputs and are used in many batch plants

### Dimensions

Rated Capacity	A	B	C	D	E
lb/in					
25 to 300	1/4-28 UNF	0.75	0.50	2.00	2.50
500 to 1,500	1/2-20 UNF	1.00	0.75	2.00	2.50
2,000 to 2,500	1/2-20 UNF	1.25	1.00	2.00	2.50
3,000	1/2-20 UNF	1.25	1.00	3.00	4.00
5,000 to 10,000	3/4-16 UNF	1.25	1.00	3.00	4.00
15,000	1-12 UNF	1.50	1.25	4.00	5.50
20,000	1 1/4-12 UNF	2.25	2.00	5.00	7.00

### Interchangeable Products

ARTECH\*

**20210 (1-14 UNF)** (15,000 lb thread is 1-12 UNF for Rice Lake model)

### Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

**ITCM Isolated**

**Tension Cell Mount..... page 40**

### Specifications

**Full Scale Output:**

3.0 mV/V

**Output Resistance:**

350 (± 3) ohm

**Input Resistance:**

385 (± 5) ohm

**Material/Finish:**

High-alloy steel, nickel plated

**Temperature:**

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

**Seal Type:**

Environmentally sealed, IP67

**Safe Overload:**

150% full scale

**Rated Excitation:**

5 to 10 VDC (15 V maximum)

**Combined Error:**

0.02% full scale

**Insulation Resistance:**

5,000 megohm

**Cable Length:**

20 ft

30 ft (pn 17044 and 17045)

35 ft (pn 21356)

**Cable Diameter:**

0.200 in

Polyurethane jacket

**Cable Color Code:**

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

**Warranty:**

Two-year limited

**Approvals:**

NTEP 90-158

cFMus

