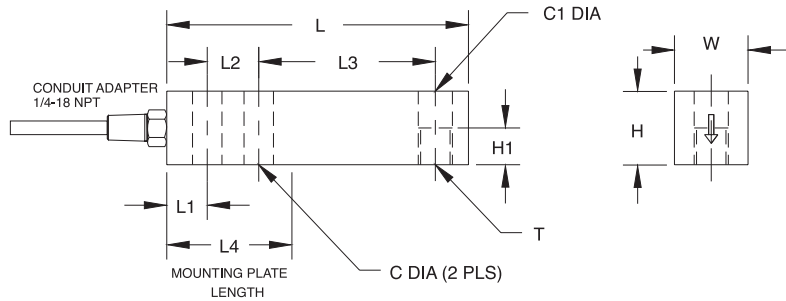


# RL35083 Single-Ended Beam, Stainless Steel

## Welded-seal, IP67



Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS											
	C	C1	H	H1	L	L1	L2	L3	L4	T	W	
<b>lb/inches</b>												
1000-4000	.53	.53	1.22	.61	5.12	.62	1.00	3.00	2.25	1/2-20 UNF-2B	1.22	
5000-10,000	.78	.78	1.50	.75	6.75	.75	1.50	3.75	3.00	3/4-16 UNF-2B	1.50	
<b>kg/mm</b>												
453.6-1814.4	13.5	13.5	31.0	15.5	130.0	15.7	25.4	76.2	57.2	1/2-20 UNF-2B	31.0	
2268.0-4535.9	19.8	19.8	38.1	19.1	171.5	19.1	38.1	95.3	76.2	3/4-16 UNF-2B	38.1	

### SPECIFICATIONS:

**Full Scale Output:** 3.0 mV/V  
**Bridge Resistance:** 350 ohms, nominal  
**Material/Finish:** Stainless steel  
**Temperature:** Compensated range 0°F to 150°F/-18°C to 65°C  
**Safe Overload:** 150% Full scale  
**Rated Excitation:** 10V DC (15V maximum)  
**Combined Error:** 0.03% Full scale  
**Non-Repeatability:** 0.01% Full scale  
**Insulation Resistance:** 5000 megohms

**Deflection at Capacity:** 1000 lb = .013"/.33 mm, 2500 lb = .015"/.38 mm, 4000-5000 lb = .025"/.64 mm, 10,000 lb = .032"/.81 mm  
**Seal Type:** Welded-seal strain gauge\*, IP67  
**Cable Length:** 20'/6.1 m Teflon coated cable  
**Conduit Adapter Size:** 1/4-18 NPT  
**Cable Color Code:** Red ..... + Excitation  
 Black..... - Excitation  
 Green..... + Signal  
 White ..... - Signal  
**Warranty:** 2-year limited warranty

### RL35083 ORDER INFORMATION

Load Rating	Part #	Price
1000 lb (453.6 kg)	17252	\$405.00
2500 lb (1134.0 kg)	17253	\$405.00
4000 lb (1814.4 kg)	17254	\$405.00
5000 lb (2268.0 kg)	17255	\$455.00
10,000 lb (4535.9 kg)	17256	\$455.00

\* Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry

### INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Sensortronics	(see page 314) 65083
Vishay Celtron	(see page 189) SQB-HSS

### WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA	30
RL1800 Series	42