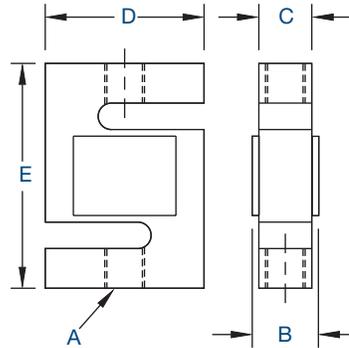


# RRS1 S Beam Load Cell, NTEP



## Wiring Information

Cable Color Code	
Red	+ Excitation
Black	- Excitation
Green	+ Signal
White	- Signal

## Ordering Information

Multiple Load Cell Capacities	
RRS1	Part No.
25 pounds	RRS1-025S-S
50 pounds	RRS1-050S-S
75 pounds	RRS1-075S-S
100 pounds	RRS1-100S-S
150 pounds	RRS1-150S-S
200 pounds	RRS1-200S-S
250 pounds	RRS1-250S-S
300 pounds	RRS1-300S-S
500 pounds	RRS1-500S-S
750 pounds	RRS1-750S-S
1000 pounds	RRS1-01KS-S
1500 pounds	RRS1-1HKS-S
2000 pounds	RRS1-02KS-S
2500 pounds	RRS1-2HKS-S
3000 pounds	RRS1-03KS-S
5000 pounds	RRS1-05KS-S
10000 pounds	RRS1-10KS-S
15000 pounds	RRS1-15KS-S
20000 pounds	RRS1-20KS-S

## Calibration Options

*C01	Compression
*C02	Tension
*C03	Universal

## Certifications



## Dimensions

Capacity	lb						
	25-300	500-1.5K	2k-2.5k	3k	5-10k	15k	20k
A	#1/4-28	#1/2-20	#1/2-20	#1/2-20	#3/4-16	#1-12	#1¼-12
B	#0.75	1.00	1.25	1.25	1.25	1.50	2.25
C	0.50	0.75	1.00	1.00	1.00	1.25	2.00
D	2.00	2.00	2.00	3.00	3.00	4.00	5.00
E	2.50	2.50	2.50	4.00	4.00	5.50	7.00

(All dimensions are in inches)

## Accuracy Specifications

Accuracy	
Non-linearity	± 0.03% of Full Scale
Hysteresis	± 0.02% of Full Scale

## Load Cell Specifications

Zero Balance	± 2%
Safe Overload	to 150% of capacity (300% Ultimate Overload)
Rated Excitation	10V DC (15V Maximum)
Full Scale Output	3 mV/V ± 10%
Cable Length	20ft
Input Impedance	385 ± 5 Ohm
Output Impedance	350 ± 4 Ohm
Insulation	> 5,000 MΩ
Creep, in 1 hour	± 0.05% of Full Scale
Operating Temperature Range	-40°C to 80°C with TARE
Seal Type	Environmentally sealed IP67

## Compatible Accessories

### Recommended Interfaces



DI-100U/DI-1000U  
Digital Load Cell Interface



DI-1000Z  
Wireless Load Cell Interface



AI-1000  
Signal Conditioner



RD-1000  
Resistive Load Cell Display

## Wireless Load Cell Configuration



## USB Load Cell Configuration



## Analog Load Cell Configuration

