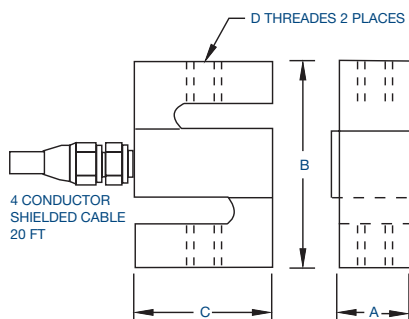


# RAS1 S BEAM LOAD CELL

## Dimensions

Capacity	lb/in				
	25-200	250-1.5K	2k-3k	5k-10k	15k
<b>A</b>	0.50	0.75	1.00	1.00	1.25
<b>B</b>	2.50	3.00	3.00	4.25	5.50
<b>C</b>	2.0	2.0	2.0	3.0	4.0
<b>D</b>	1/4-28	1/2-20	1/2-20	3/4-16	1-14



## Accuracy Specifications

Accuracy	
<b>Non-linearity</b>	± 0.02% of Full Scale
<b>Hysteresis</b>	± 0.02% of Full Scale
<b>Non-repeatability</b>	± 0.02% of Full Scale

## Wiring Information

### Cable Color Code

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





## Load Cell Specifications

<b>Zero Balance</b>	± 2%
<b>Safe Overload</b>	to 150% of capacity (300% Ultimate Overload)
<b>Rated Excitation</b>	10V DC (20V Maximum)
<b>Full Scale Output</b>	3 mv/V ± 10%
<b>Connections</b>	20ft Cable
<b>Input Impedance</b>	385 ± 30 Ohm
<b>Output Impedance</b>	350 ± 4 Ohm
<b>Insulation</b>	> 5,000 Ohm
<b>Creep, in 1 hour</b>	± 0.05% of Full Scale
<b>Operating Temperature Range</b>	-40°C to 80°C with TARE
<b>Temperature Effect on Output</b>	20 ppm/°C of Load
<b>Temperature Effect on Zero</b>	20 ppm/°C of Rated Output

## Ordering Information

Multiple Load Cell Capacities WITH OVERLOAD PROTECTION	
RAS1	Part No.
<b>25 pounds</b>	RAS1-025S-S
<b>50 pounds</b>	RAS1-050S-S
<b>100 pounds</b>	RAS1-100S-S
<b>150 pounds</b>	RAS1-150S-S
<b>200 pounds</b>	RAS1-200S-S
<b>250 pounds</b>	RAS1-250S-S
<b>500 pounds</b>	RAS1-500S-S
<b>750 pounds</b>	RAS1-750S-S
<b>1000 pounds</b>	RAS1-01KS-S
<b>1500 pounds</b>	RAS1-1HKS-S
<b>2000 pounds</b>	RAS1-02KS-S
<b>2500 pounds</b>	RAS1-2HKS-S
<b>3000 pounds</b>	RAS1-03KS-S
<b>5000 pounds</b>	RAS1-05KS-S
<b>10000 pounds</b>	RAS1-10KS-S
<b>15000 pounds</b>	RAS1-15KS-S
<b>20000 pounds</b>	RAS1-20KS-S
<b>40000 pounds</b>	RAS1-40KS-S

## Compatible Accessories

Recommended Interfaces			
			
DI-1000U Digital Load Cell Interface (see page 52)	DI-1000Z Wireless Load Cell Interface (see page 52)	AI-1000 Signal Conditioner (see page 51)	RD-1000 Resistive Load Cell Display (see page 53)