



SINGLE ENDED BEAMS

### DIMENSIONS

RATED CAPACITY	C1	C2	H	H1	L	L1	L2	L3	L4	W	T
<b>lb/inches</b>											
250-4,000; SE5,000	0.53	0.53	1.25	0.62	5.12	2.25	3.00	1.00	0.62	1.25	1/2-20 UNF-2B
5,000-10,000	0.78	0.78	1.50	0.75	6.75	3.00	3.75	1.50	0.75	1.50	3/4-16 UNF-2B
15,000-20,000	1.03	1.03	2.00	1.00	8.88	4.00	4.88	2.00	1.00	2.00	1-14 UNS-2B

### SPECIFICATIONS

<b>Full Scale Output</b>	3.0 mV/V $\pm 0.25\%$	<b>Element Material</b>	Alloy Steel, Nickel Plated
<b>Zero Balance</b>	$\pm 0.02$ mV/V	<b>Recommended Excitation</b>	10V (15V Maximum)
<b>Non-linearity</b>	Cap. $\leq 750\text{lb}$ : $< \pm 0.03\%$ ;	<b>Insulation Resistance</b>	$> 2 [ 50\text{V DC } ] \text{ G}\Omega$
	Cap. $> 750\text{lb}$ : $< \pm 0.02\%$	<b>Compensated Temperature Range</b>	$-10^\circ\text{C}$ to $50^\circ\text{C}$ / $14^\circ\text{F}$ to $122^\circ\text{F}$
<b>Repeatability</b>	$< \pm 0.02\%$	<b>Safe Overload</b>	150% of full scale
<b>Hysteresis Error</b>	Cap. $\leq 750\text{lb}$ : $< \pm 0.03\%$ ;	<b>Breaking Overload</b>	300% of full scale
	Cap. $> 750\text{lb}$ : $< \pm 0.02\%$	<b>Seal Type / IP Rating</b>	Environmentally Sealed / IP67
<b>Creep in 30 min.</b>	$< \pm 0.025\%$	<b>Cable Color Code</b>	Exc+ Red      Exc- Black
<b>Input Resistance</b>	$350 \Omega \pm 7$		Sig+ Green      Sig- White
<b>Output Resistance</b>	$350 \Omega \pm 3$		Shield Bare

### PART NUMBER

Rated Capacity	Part No.	Weight (kg) Approx.
250lb.....	563YH-23A-250lb.....	1.0
500lb.....	563YH-23A-500lb.....	1.0
750lb.....	563YH-23-750lb.....	1.0
1Klb.....	563YH-23-1Klb.....	1.0
1.5Klb.....	563YH-23-1.5Klb.....	1.0
2Klb.....	563YH-23-2Klb.....	1.0
2.5Klb.....	563YH-23-2.5Klb.....	1.0
4Klb.....	563YH-23-4Klb.....	1.0
SE5Klb.....	563YH-23-SE5Klb.....	1.0
5Klb.....	563YH-23-5Klb.....	1.8
10Klb.....	563YH-23-10Klb.....	1.8
15Klb.....	563YH-23-15Klb.....	4.0
20Klb.....	563YH-23-20Klb.....	4.0

SE refers to small envelope

### INTERCHANGEABLE REFERENCE

Manufacturer	Model
Vishay Sensortronics.....	65023

- 250lb-2.5Klb: NTEP 1:5 000 Class III, Single Cell;  
NTEP 1:9 500 Class III, Multiple Cell
- 4Klb-20Klb: NTEP 1:6 000 Class III, Single Cell;  
NTEP 1:10 000 Class III, Multiple Cell
- 1Klb-5Klb: OIML MAA C4, Y=15 000;
- 10Klb-20Klb: OIML MAA C6, Y=8 500