

101NH



Alloy Steel

Capacity: 50-500lb

Capacity: 750lb-10Klb

Capacity: 15Klb-20Klb

15Klb & 20Klb: option: 35ft (10.5m) cable

View for (15-20)Klb only

Flexible strain relief

RATED CAPACITY

50-300
500
750-3,000
5,000; 10,000
15,000
20,000

H

2.50
3.00
3.00
4.00
5.50
7.00

L

2.00
2.00
2.00
3.00
4.00
4.92

DIMENSIONS

W

0.65
0.89
1.11
1.00
1.25
2.00

W1

0.50
0.75
-
-
-
-

T

1/4-28 UNF-2B
1/2-20 UNF-2B
1/2-20 UNF-2B
3/4-16 UNF-2B
1-14 UNS-2B
1 1/4-12 UNF-2B

Shipping Weight(lb)

1.3
1.5
2.0
3.3
6.6
15.0



RATED CAPACITY	H	L	W	W1	T	Shipping Weight(lb)
50-300	2.50	2.00	0.65	0.50	1/4-28 UNF-2B	1.3
500	3.00	2.00	0.89	0.75	1/2-20 UNF-2B	1.5
750-3,000	3.00	2.00	1.11	-	1/2-20 UNF-2B	2.0
5,000; 10,000	4.00	3.00	1.00	-	3/4-16 UNF-2B	3.3
15,000	5.50	4.00	1.25	-	1-14 UNS-2B	6.6
20,000	7.00	4.92	2.00	-	1 1/4-12 UNF-2B	15.0

SPECIFICATIONS			
Full Scale Output	3.0 mV/V ± 1%	Recommended Excitation	10V (15V Maximum)
Zero Balance	± 0.02 mV/V	Insulation Resistance	>2 [50V DC] GΩ
Non-linearity	< ± 0.017%	Compensated Temperature Range	-10°C to 50°C / 14°F to 122°F
Repeatability	< ± 0.017%	Safe Overload	150% of full scale
Hysteresis Error	< ± 0.017%	Breaking Overload	300% of full scale
Creep in 30 min.	< ± 0.023%	Seal Type / IP Rating	Cap. ≤ 500lb: Environmentally Sealed / IP66 Cap. ≥ 750lb: Environmentally Sealed / IP67
Input Resistance	350Ω ± 7	Cable Color Code	Exc+ Red Exc- Black Sig+ Green Sig- White Shield Bare
Output Resistance	350Ω ± 3		
Element Material	Alloy Steel, Nickel Plated		

Rated Capacity	Deflection Emax (inch)	Width	Part Number*	INTERCHANGEABLE REFERENCE							
				Coti-Global		Rice Lake		Vishay			
				CGSB	CGSB-1	RL20000	RL20001	Celtron	Revere	Sensortronics	
50lb	0.004-0.008	W: 0.65" (H: 2.5")	101NH-50lb	W: 0.75"	W: 0.75"	W: 0.75"				(H: 2.4")	
100lb	0.004-0.008	W: 0.65" (H: 2.5")	101NH-100lb	W: 0.75"	W: 0.75"	W: 0.75"				(H: 2.4")	
200lb	0.005-0.009	W: 0.65" (H: 2.5")	101NH-200lb	W: 0.75"	W: 0.75"	W: 0.75"				(H: 2.4")	
250lb 300lb	0.005-0.009	W: 0.65" (H: 2.5") (L: 2") (T: 1/4-28 UNF-2B)	101NH-250lb 101NH-300lb	W: 0.75" (H: 3") (T: 3/8-24 UNF-2B)	W: 0.75"	W: 0.75"	W: 0.75" (L: 3") (T: 3/8-24 UNF-2B)	W: 1.05" (H: 3") (T: 3/8-24 UNF-2B)		(H: 2.4")	W: 0.75" (H: 3") (T: 3/8-24 UNF-2B)
500lb	0.005-0.009	W: 0.89" (H: 3")	101NH-500lb	W: 1.00"	W: 1.00" (H: 2.5")	W: 1.00" (H: 2.5")	W: 1.00"	W: 1.2"		W: 0.9" (H: 2.4")	W: 1.00"
750lb	0.004-0.008	W: 1.11" (H: 3")	101NH-750lb	W: 1.00"	W: 1.00" (H: 2.5")	W: 1.00" (H: 2.5")	W: 1.00"	W: 1.2"		W: 0.9" (H: 2.4")	W: 1.00"
1Klb	0.004-0.007	W: 1.11" (H: 3")	101NH-1Klb	W: 1.00"	W: 1.00" (H: 2.5")	W: 1.00" (H: 2.5")	W: 1.00"	W: 1.03"		W: 0.9" (H: 2.4")	W: 1.00"
1.5Klb	0.005-0.009	W: 1.11" (H: 3")	101NH-1.5Klb	W: 1.00"	W: 1.00" (H: 2.5")	W: 1.00" (H: 2.5")	W: 1.00"	W: 1.03"		W: 0.9" (H: 2.4")	W: 1.00"
2Klb	0.007-0.011	W: 1.11" (H: 3")	101NH-2Klb	W: 1.00"	W: 1.00" (H: 2.5")	W: 1.25" (H: 2.5")	W: 1.00"	W: 1.25"		W: 1.15" (H: 2.4")	W: 1.00"
2.5Klb	0.009-0.012	W: 1.11" (H: 3") (L: 2")	101NH-2.5Klb	W: 1.00"	W: 1.00" (H: 2.5")	W: 1.25" (H: 2.5") (L: 3")	W: 1.25"	W: 1.25"		W: 1.15" (H: 2.4")	W: 1.25"
3Klb	0.010-0.014	W: 1.11" (H: 3") (L: 2") (T: 1/2-20 UNF-2B)	101NH-3Klb	W: 1.00"	W: 1.0" (H: 4.0") (L: 3")	W: 1.25" (H: 4") (L: 3")	W: 1.25"	W: 1.25"		W: 1.15" (H: 3.9") (T: 3/4-16 UNF-2B)	W: 1.25"
5Klb	0.012-0.016	W: 1" (H: 4")	101NH-5Klb	(H: 4.25")		W: 1.25"	W: 1.25" (H: 4.25")	W: 1.25" (H: 4.25")		W: 1.15" (H: 3.90")	W: 1.25" (H: 4.25")
10Klb	0.014-0.018	W: 1" (H: 4") (L: 3")	101NH-10Klb	(H: 4.75")		W: 1.25"	W: 1.25" (H: 4.75") (L: 3.50")	W: 1.25" (H: 4.75") (L: 3.50")		W: 1.15" (H: 3.90") (L: 2.94")	W: 1.25" (H: 4.75") (L: 3.50")
15Klb	0.014-0.018	W: 1.25" (L: 4") (T: 1-14 UNS-2B)	101NH-15Klb 101NH-15Klb-35ft			W: 1.5" (T: 1-12 UNF-2B)	W: 1.50"	W: 1.50"		W: 1.65" (L: 3.44")	W: 1.50"
20Klb	0.015-0.019	W: 2.0" (L: 4.92")	101NH-20Klb 101NH-20Klb-35ft	(L: 5.00")		W: 2.25" (L: 5.00")	W: 2.25" (L: 5.00")	W: 2.19" (L: 5.00")		W: 1.88" (L: 4.44")	W: 2.25" (L: 5.00")

* ATEX, FM, IECEx approved versions carry the "-Ex" suffix.
 100lb-500lb: up to NTEP 1:4 500 Class III, Single Cell; 1Klb-20Klb: up to NTEP 1:5 500 Class III, Single Cell
 200kg-1.5t: up to OIML MAA C3, Y=17 000; 2t-10t: up to OIML MAA C4.5, Y=14 000
 For further available P/N's & specifications per NTEP/OIML classes, please contact customer service.

S-BEAMS

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