



DIMENSIONS

RATED CAPACITY	H	L	W	T
lb/inches				
500-3,000	3.00	2.00	1.11	1/2-20 UNF-2B
5,000	4.00	3.00	1.11	3/4-16 UNF-2B
10,000	4.00	3.00	1.25	3/4-16 UNF-2B
15,000	5.50	4.00	1.25	1-14 UNS-2B
20,000	7.00	5.00	2.00	1 1/4-12 UNF-2B
kg/mm				
300-1,000	76.2	50.8	28.2	M12X1.75
2,000; 3,000	101.6	76.2	28.2	M16X2.00
5,000	101.6	76.2	31.8	M24X2.00
10,000	177.8	125.0	50.8	M30X2.00

SPECIFICATIONS

Full Scale Output	2.0 mV/V ± 1%	Recommended Excitation	10V (15V Maximum)
Zero Balance	± 0.02 mV/V	Insulation Resistance	>2 [50V DC] GΩ
Non-linearity	< ± 0.023%	Compensated Temperature Range	-10°C to 50°C / 14°F to 122°F
Repeatability	< ± 0.030%	Safe Overload	150% of full scale
Hysteresis Error	< ± 0.030%	Breaking Overload	300% of full scale
Creep in 30 min.	< ± 0.030%	Seal Type / IP Rating	Welded Seal / IP68
Input Resistance	400 Ω ± 20	Cable Color Code	Exc+ Red Exc- Black Sig+ Green Sig- White Shield Bare
Output Resistance	350 Ω ± 3		
Element Material	17-4PH Stainless Steel		

PART NUMBER*

Rated Capacity	Deflection (Emax)	Part No.	Weight Approx.
300kg	0.16-0.16mm	101BS-300kg	0.8kg
500kg	0.11-0.21mm	101BS-500kg	0.8kg
1t	0.23-0.33mm	101BS-1t	0.8kg
2t	0.20-0.30mm	101BS-2t	1.5kg
3t	0.30-0.40mm	101BS-3t	1.5kg
5t	0.35-0.45mm	101BS-5t	1.7kg
10t	-	101BS-10t	7.0kg
500lb	0.002-0.006in	101BS-500lb	1.8lb
1Klb	0.004-0.008in	101BS-1Klb	1.8lb
1.5Klb	0.006-0.010in	101BS-1.5Klb	1.8lb
2Klb	0.008-0.012in	101BS-2Klb	1.8lb
2.5Klb	0.010-0.014in	101BS-2.5Klb	1.8lb
3Klb	0.012-0.016in	101BS-3Klb	1.8lb
5Klb	0.009-0.013in	101BS-5Klb	3.3lb
10Klb	0.015-0.019in	101BS-10Klb	3.8lb
15Klb	-	101BS-15Klb	6.4lb
20Klb	0.014-0.018in	101BS-20Klb	15.4lb

* ATEX, FM, IECEx approved versions carry the "-Ex" suffix.

INTERCHANGEABLE REFERENCE

Brand	Model
Coti Global	CGSB-SSW
FLINTEC	ULB
HBM	RSC*
Rice Lake	RL20001HE
Vishay Celtron	STC HSS
Vishay Sensortronics	60063
Vishay Tedea-Huntleigh	616*
Vishay Tedea-Huntleigh	620

* Glue Sealed.

- 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 us.

Product Datasheet Disclaimer

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