



SINGLE ENDED BEAMS



RATED CAPACITY	DIMENSIONS										
	C1	C2	H	L	L1	L2	L3	L4	W	T	
lb/inches											
500-4,000; SE5,000	0.53	0.53	1.22	5.12	2.25	3.00	1.00	0.62	1.22	1/2-20 UNF-2B	
5,000-10,000	0.79	0.79	1.50	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	8.75	4.00	4.75	2.00	1.00	2.00	1-14 UNS-2B	
kg/mm											
250-2,000	13.5	13.5	31.0	130.0	57.2	76.2	25.4	15.8	31.0	M12X1.75	
3,000;5,000	20.0	20.0	38.1	171.5	76.2	95.3	38.1	19.1	38.1	M18X1.50	
10,000	26.2	26.2	50.8	222.3	101.6	120.7	50.8	25.4	50.8	M24X2.00	

SPECIFICATIONS				
Full Scale Output	563YS: 2.0 mV/V ± 0.25%; 563YS30: 3.0 mV/V ± 0.25%		Recommended Excitation	10V (15V Maximum)
Zero Balance	± 0.02 mV/V		Insulation Resistance	>2 [50V DC] G Ω
Non-linearity	< ± 0.023%		Compensated Temperature Range	-10°C to 50°C / 14°F to 122°F
Repeatability	< ± 0.023%		Safe Overload	150% of full scale
Hysteresis Error	< ± 0.023%		Breaking Overload	300% of full scale
Creep in 30 min.	< ± 0.030%		Seal Type / IP Rating	Welded Seal / IP68
Input Resistance	350 Ω ± 7		Cable Color Code	Exc+ Red Exc- Black
Output Resistance	350 Ω ± 3			Sig+ Green Sig- White
Element Material	17-4PH Stainless Steel			

WEIGH MODULE	
Model	Page
563YSM3	143

PART NUMBER		
Rated Capacity	Part No.	Weight (kg) Approx.
500lb	563YS-500lb	1.0
	563YS30GS-500lb	1.0
1Klb	563YS-1Klb	1.0
	563YS30-1Klb	1.0
2.5Klb	563YS-2.5Klb	1.0
	563YS30-2.5Klb	1.0
4Klb	563YS-4Klb	1.0
	563YS30-4Klb	1.0
SE5Klb	563YS-SE5Klb	1.0
	563YS30-SE5Klb	1.0
5Klb	563YS-5Klb	1.8
	563YS30-5Klb	1.8
10Klb	563YS-10Klb	1.8
	563YS30-10Klb	1.8
15Klb	563YS-15Klb	4.1
	563YS30-15Klb	4.1
20Klb	563YS-20Klb	4.1
	563YS30-20Klb	4.1
250kg	563YS-250kg	1.0
500kg	563YS-500kg	1.0
1t	563YS-1t	1.0
2t	563YS-2t	1.0
3t	563YS-3t	1.8
5t	563YS-5t	1.8
10t	563YS-10t	4.1

INTERCHANGEABLE PRODUCTS	
Manufacturer	Model
563YS	
Cardinal	TB*
Coti Global	CG-23-SSW-02
Rice Lake	RL35082
Rice Lake	RLHTO
Vishay Sensortronics	65083S
Vishay Tedea-Huntleigh	3510-kg
563YS30	
Coti Global	CG-23-SSW-03
HBM	B35**
HBM	H35***
Mettler-Toledo	0793
Rice Lake	RL35023S**
Rice Lake	RL35083
Rice Lake	RL39123
Vishay Celtron	SQB-HSS
Vishay Revere Transducers	9123
Vishay Sensortronics	65023S**
Vishay Sensortronics	65023SS***
Vishay Sensortronics	65083
Vishay Tedea-Huntleigh	3510-lbs

* TB has metric thread (M12 x 1.75). Installation and thread from top
 ** Environmentally sealed
 *** Welded seal
 *** *Environmentally sealed for capacities 1Klb-10Klb

563YS, 500lb-2.5Klb & 250kg-1t: NTEP 1:5 000 Class III, S;
 NTEP 1:9 500 Class III, M
 4Klb-20Klb & 2t-5t: NTEP 1:6 000 Class III, S;
 NTEP 1:10 000 Class III, M
 563YS30, 500lb-2.5Klb: NTEP 1:5 000 Class III, S;
 NTEP 1:9 500 Class III, M
 4Klb-20Klb: NTEP 1:6 000 Class III, S;
 NTEP 1:10 000 Class III, M

563YS, 1Klb-5Klb & 500kg-2t: OIML MAA C5, Y=26 000;
 10Klb-20Klb & 3t-10t: OIML MAA C6, Y=8 500;
 563YS30, 1Klb-5Klb: OIML MAA C4, Y=15 000;
 10Klb-20Klb: OIML MAA C6, Y=8 500;

- Environmentally sealed for 563YS30, capacity=500lb
 - SE refers to small envelope