Models MBB

Celtron



Miniature Bending Beam



FEATURES

- Capacities: 50, 100, 150, and 250 lbs
- · Low profle for low-capacity scales
- Electroless nickel-plated alloy tool steel

OPTIONAL FEATURE

• FM approval available

DESCRIPTION

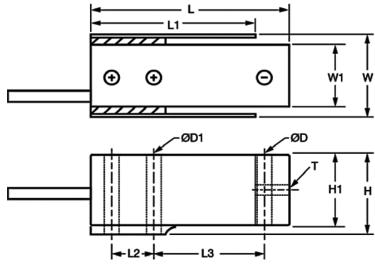
MBB is designed for low profle platform scales and tank scales in low capacities. It is constructed of high alloy tool steel which offers superior performance in creep characteristics and shock load capabilities over standard aluminum units.

OUTLINE DIMENSIONS in mm

MBB is fully potted and sealed with special chemical compounds to IP66 providing excellent protection against moisture and humidity.

APPLICATIONS

- Silo/hopper/tank weighing
- Packaging machines
- Dosing/filing
- Belt scales/conveyor scales



Wiring Diagram

+Excitation (Red) - Excitation (Black) +Signal (Green) - Signal (White)

All Capacity Cable Length: 5' / 1.5m

CAPACITY		L	ել	L2	L ₃	W	W ₁	H	H1	D1	D	Т
50/100/150 lbs	mm	60.33	50	12.7	33.66	19.5	12.7	24.8	22.2	4.5	4.5	-
	(inch)	2.38	1.97	0.50	1.33	0.77	0.5	0.98	0.87	0.18	0.18	
250 lbs	mm	60.33	50	12.7	33.66	25.4	19.05	24.8	22.2	4.5	4.5	-
	(inch)	2.38	1.97	0.50	1.33	1.00	0.75	0.98	0.87	0.18	0.18	
50/100/150 lbs 0L	mm	60.33	50	12.7	33.66	21	12.7	24.8	22.2	4.4	4.4	-
	(inch)	2.38	1.97	0.50	1.33	0.83	0.5	0.98	0.87	0.17	0.17	
100/250 lbs VT	mm	60.33	50	12.7	33.66	25.4	19.05	24.8	22.2	6.8		-
	(inch)	2.38	1.97	0.50	1.33	1.00	0.75	0.98	0.87	0.26	1/4-20UNF	
100 lbs BCl	mm	60.33	50	12.7	33.66	25.4	19.05	24.8	22.2	6.4	6.4	_
	(inch)	2.38	1.97	0.50	1.33	1.00	0.75	0.98	0.87	0.25	0.25	
250 lbs BCl	mm	60.33	50	12.7	33.66	25.4	19.05	24.8	22.2	6.4	4.5	-
	(inch)	2.38	1.97	0.50	1.33	1.00	0.75	0.98	0.87	0.25	0.18	
250 lbs LT	mm	60.33	50	12.7	-	25.4	19.05	24.8	22.2	4.4		1/4-28UNF
	(inch)	2.38	1.97	0.50		1.00	0.75	0.98	0.87	0.17	1 -	

All dimensions in mm

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MODERN HERO TECHNOLOGIES (SHENZHEN) CO., LTD 0086-755-26738591



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SPECIFICATIONS

PARAMETER	VALUE	UNIT		
NTEP/OIML accuracy class	Non-Approved			
Maximum no. of intervals (n)	3000			
Y = Emax/Vmin	5000	Maximum available		
Standard capacities (Emax)	50, 100, 150, 250	lbs		
Rated output—R.O.	3.0	mV/V		
Rated output tolerance	10	±% of rated output		
Zero balance	1	±% of rated output		
Non-linearity	0.030	±% of rated output		
Hysteresis	0.030	±% of rated output		
Non-repeatability	0.020	±% of rated output		
Creep error (20 minutes)	0.020	±% of rated output		
Zero return (20 minutes)	0.030	±% of rated output		
Temperature effect on min. dead load output	0.0026	±% of rated output/°C		
Temperature effect on sensitivity	0.0015	±% of rated output/°C		
Compensated temperature range	-10 to +40	O°		
Operating temperature range	-20 to +60	°C		
Safe overload	150	% of R.C.		
Ultimate overload	300	% of R.C		
Excitation, recommended	10	VDC or VACRMS		
Excitation, maximum	15	VDC or VACRMS		
Input impedance	385±5			
Output impedance	350±3			
Insulation resistance	>5000	М		
Construction	Nickel-plated alloy steel			
Environmental protection	IP66			

All specifcations subject to change without notice.

FM Approval

Intrinsically Safe: Class I, II, III; Div. 1 Groups A-G Non-Incendive: Class I; Div. 2 Groups A-D

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