Celtron

# **Miniature Bending Beam**

#### **FEATURES**

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

• FM approval available

#### **APPLICATIONS**

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

#### DESCRIPTION

MBB is designed for low profile 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.



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

OUTLINE DIMENSIONS												
			• • • •	 <del> </del>	L	• •	₩1 ₩1	W W				
								T + Excitation Rea - Excitation Black + Signal Green - Signal White				
CAPACITY		L	L1	L2	L3	w	W <sub>1</sub>	Н	H1	D <sub>1</sub>	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 OL	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	-
				407		05.4	19.05	24.8	22.2	4.4		
250 lbs LT	mm	60.33	50	12.7		25.4	19.05	24.0	22.2	4.4		1/4-28UNF

Model MBB 广州锐拓自动化科技有限公司



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### Miniature Bending Beam

SPECIFICATIONS				
PARAMETER	VALUE	UNIT		
NTEP/OIML accuracy class	Non-Approved			
Maximum no. of intervals (n)	3000			
Y = E <sub>max</sub> /V <sub>min</sub>	5000	Maximum available		
Standard capacities (E <sub>max</sub> )	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)	0.030	±% 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 applied load/°C		
Compensated temperature range	-10 to +40	°C		
Operating temperature range	–20 to +60	°C		
Safe overload	150	% of R.C.		
Ultimate overload	300	% of R.C.		
Excitation, recommended	10	VDC or VAC RMS		
Excitation, maximum	15	VDC or VAC RMS		
Input impedance	385±5	Ω		
Output impedance	350±3	Ω		
Insulation resistance	>5000	ΜΩ		
Construction	Nickel-plated alloy steel			
Environmental protection	IP66			

All specifications 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

Vishay Precision Group, Inc.

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