

SM6B S-type Load Cell

Description

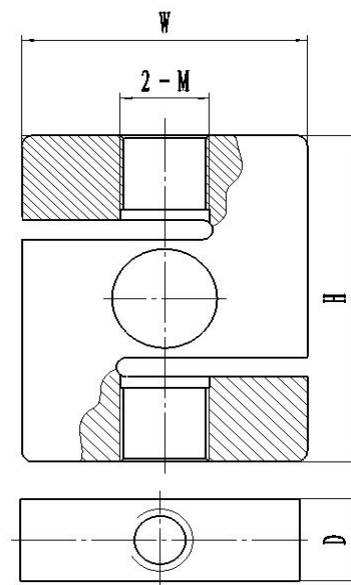
The sensor is made of alloy steel or stainless steel and features an S-shaped parallel beam type. It is produced by introducing raw materials from the United States and the proprietary processing technology of the American BEAN Company.



Applied to: testing machine, hopper scale, hook scale, push-pull force gauge, riveting machine, welding machine, cold-hot pressing film laminating machine, keyboard button feel tester and other tensile and compressive force testing instruments, field of automated equipment and industrial measurement.

Characteristics: Bidirectional tension and compression bearing, stability, high precision, compact structure, convenient to install.

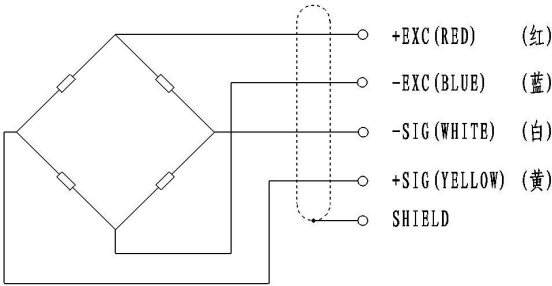
Dimensions (In mm. 1mm=0.03937 inches)



CAP. /SIZE	D	H	W	M
kg/mm				
50、100、200	18.5	77	50.8	M10×1
300	24.4	77	50.8	M10×1
500	24.4	77	50.8	M12×1
1000	36	77	50.8	M12×1
2000	45	86	70	M16×1.5
3000	50	100	80	M18×1.5
5000	58	130	92	M20×2
lb/inches (conversion of above dimensions)				
110.23、220.46、440.92	7.28	30.31	20	M10×1
661.39	9.61	30.31	20	M10×1
1102.31	9.61	30.31	20	M12×1
2204.62	14.17	30.31	20	M12×1
4409.25	17.72	33.86	27.56	M16×1.5
6613.87	19.69	39.37	31.5	M18×1.5
11023.11	22.83	51.18	36.22	M20×2

Circuit Diagram:

- Red: +input
- Blue: -input
- White: +output
- Yellow: -output



Specification:

Type	Technical parameters
Nominal load range	50 ~ 5000kg
Power supply	10~12 VDC
Zero balance	1.0±% of rated output
Analog output	2.0±0.015mV/V
Input resistance (R _{ic})	380±5Ω (ohms)
Output resistance (R _o)	350±2Ω (ohms)
Insulation resistance	≥5000 MΩ (Mege-Ohms)
Class precision	0.05%FS
Effect of temperature	0.05%FS/10°C
Operating temperature	-40 ~ +85°C
Safe Load Limit	200% FS
Safety margin against yielding	300% FS
Safety margin against breakage	500% FS
Material material	High performance alloy steel or (chromium ratio>15% stainless steel)
Protection type	IP67/IP68