

SM6D S-type Load Cell

Description:

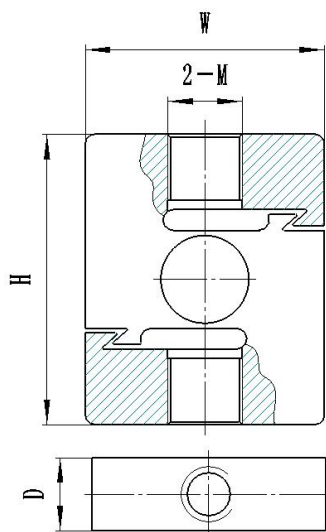
The sensor is made of alloy steel or stainless steel and features an S-shaped parallel beam type. It is produced by introducing raw materials from the United States and the proprietary processing technology of the American BEAN Company.

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	H	W	D	M
kg/mm				
0.1~0.75t	80	70	19.1	M12
1, 1.5t	80	70	25.4	M12
2, 3, 5t	108	95	25.4	M18×1.5
7.5, 10t	178	130	50.8	M30×2
15, 20t	190	160	60	M39×2
lb/inches (conversion of above dimensions)				
220.46~1653.45	3.15	2.76	0.75	M12
2204.6/3306.9	3.15	2.76	1.00	M12
4409.2/6613.8/11023	4.25	3.74	1.00	M18×1.5
16534.5/22046	7.01	5.12	2.00	M30×2
33069/44092	7.40	6.30	2.36	M39×2

Circuit Diagram:

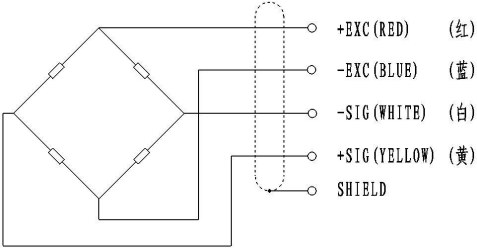
- Red:

+input
- Blue:

-input
- White:

+output
- Yellow:

-output



Specification:

Type	Technical parameters
Nominal load range	100 ~ 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