

SM6G S-type Load Cell

Description

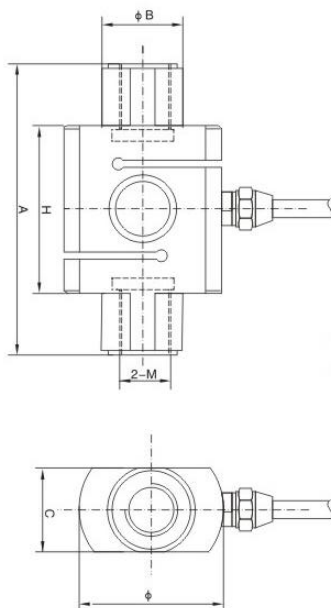
The sensor is made of alloy steel or stainless steel and features an S-shaped parallel beam type. It is produced by introducing raw materials from the United States and the proprietary processing technology of the American BEAN Company.

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	A	H	Φ	Φ B	C	M
t/mm						
0.1～0.5	88	58	28	44	26	16M×1.5
0.7	88	58	32	44	30	16M×1.5
1～5	120	68	51	63	48	22M
7～15	138	94	60	76	56	30M
20	156	108	68.5	88	76	36M×3
Ib/inches (conversion of above dimensions)						
220.46～1102.31	34.65	22.83	11.02	17.32	10.24	16M×1.5
1543.24			12.6	17.32	11.81	16M×1.5
2204.62～11023.11	47.24	26.77	20.08	24.8	18.9	22M
15432.36～33069.34	54.33	37.01	23.62	29.92	22.05	30M
44092.45	61.42	42.52	26.97	34.65	29.92	36M×3

Circuit Diagram:

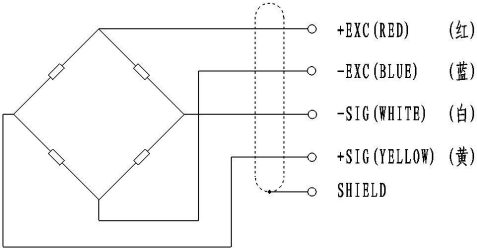
- Red:

+input
- Blue:

-input
- White:

+output
- Yellow:

-output



Specification:

Type	Technical parameters
Nominal load range	100 ~ 2000kg
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