

SM6E S-type Load Cell

Description

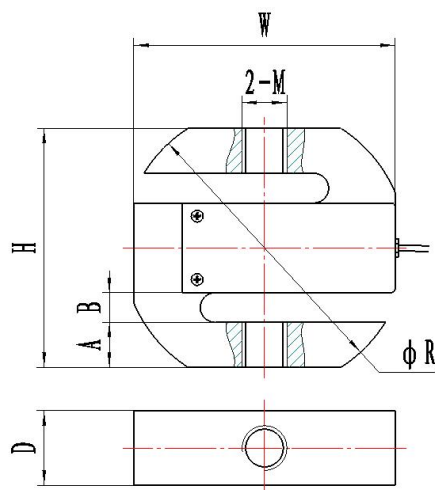
The sensor is made of alloy steel or stainless steel and features an S-shaped parallel beam type. It is produced by introducing raw materials from the United States and the proprietary processing technology of the American BEAN Company.

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	A	B	R	M
kg/mm							
20～150	64	70	12	12	8	76	M8
200～500	64	70	20	12	8	76	M12
700～1000	64	70	25	12	8	76	M12
1200～5000	90	90	32	20	6	95	M20
7500	90	90	40	20	6	95	M24
10000	90	90	50	20	6	95	M30×2
lb/inches (conversion of above dimensions)							
44.09～330.69	25.2	27.56	4.72	4.72	3.15	29.92	M8
440.92～1102.31	25.2	27.56	7.87	4.72	3.15	29.92	M12
1543.24～2204.62	25.2	27.56	9.84	4.72	3.15	29.92	M12
2645.55～11023.11	35.43	35.43	12.6	7.87	2.36	37.4	M20
16534.67～16534.67	35.43	35.43	15.75	7.87	2.36	37.4	M24
22046.23	35.43	35.43	19.69	7.87	2.36	37.4	M30×2

Circuit Diagram:

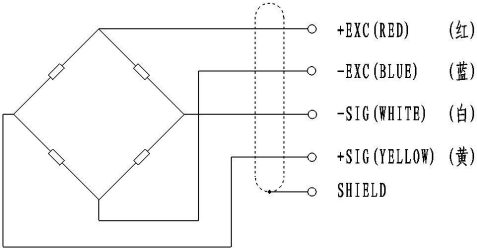
- Red:

+input
- Blue:

-input
- White:

+output
- Yellow:

-output



Specification:

Type	Technical parameters
Nominal load range	500 ~ 3000kg
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