

SM10A Load Cell

Description

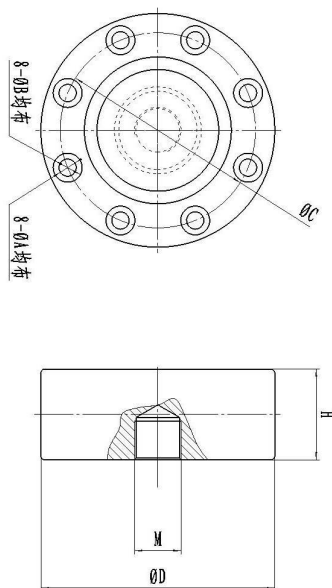
The sensor is made of alloy steel or stainless steel and features a spoke-type structure. It is produced by introducing raw materials from the United States and the proprietary processing technology of the American BEAN Company. In terms of protection, it adopts silicone sealing and welding sealing, which has good waterproof performance.

Applied to: all kinds of electronic weighing equipment and tensile and compressive force testing equipment such as automobile scale, rail scale, testing machine, hopper scale, force measuring machine and hanging scale.

Characteristics: excellent rigidity, strong resistance to lateral force, high precision, compact structure and convenient installation.



Dimensions (In mm. 1mm=0.03937 inches)



CAP. /SIZE	ØA	ØB	Øc	D	H	M
t/mm						
5, 10	7	11	90	105	34	Λ
20, 30	9	15	101	121	47	24×1.5
50	11	18	119	141	51	32×1.5
lb/inches (conversion of above dimensions)						
11023. 11~22046. 23	2. 76	4. 33	35. 43	41. 34	13. 39	Λ
44092. 45~66138. 68	3. 54	5. 91	39. 76	47. 64	18. 50	24×1. 5
110231. 13	4. 33	7. 09	46. 85	55. 51	20. 08	32×1. 5

Circuit Diagram:

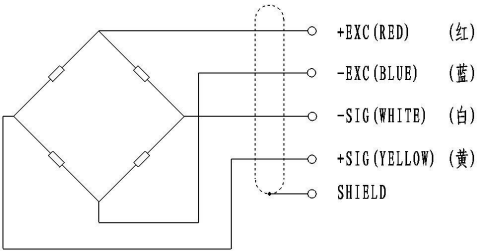
- Red:

+input
- Blue:

-input
- White:

+output
- Yellow:

-output



Specification:

Type	Technical parameters
Nominal load range	5 ~ 50t
Power supply	10~12 VDC
Zero balance	1.0±% of rated output
Analog output	2.0±0.015mV/V
Input resistance (R _{ic})	780±20Ω (ohms)
Output resistance (R _o)	700±5Ω (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



SUNMOON
日月科技

