SM32H Miniature Sensor

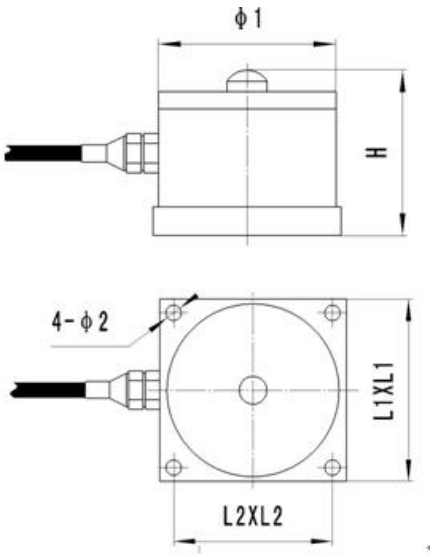
Description

The sensor is made of alloy steel or stainless steel and features a low-profile diaphragm box structure. It is produced by introducing raw materials from the United States and the proprietary processing technology of the American BEAN Company. Laser sealing welding, compression bearing.

It is mainly applied to industrial testing systems such as testing machines, truck scales, hopper scales, and warehouse scales, as well as various measuring equipment.

Characteristics： strong anti-eccentric load capacity, good impact resistance, high precision, corrosion resistance, compact size and easy installation.

Dimensions（In mm. 1mm=0.03937 inches）



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CAP./SIZE	L1	L2	H	ø1	ø2
t/mm					
1～2	81	65	48	80	6.5
5～30	165	135	95	120	12.5
50～80	Bottom installa		120	220	ø196 4-M12
100～150	Bottom installa		180	300	ø270 4-M16
Ib/inches (conversion of above dimensions)					
2204.62～4409.25	31.89	25.590565	18.9	31.5	2.56
11023.11～66138.68	64.96	53.149635	37.4	47.24	4.92
110231.13～176369.81		Bottom mounting	47.24	86.61	ø77.18 4-M16
220462.26～330693.39		Bottom mounting	70.87	118.1	ø106.30 4-M16

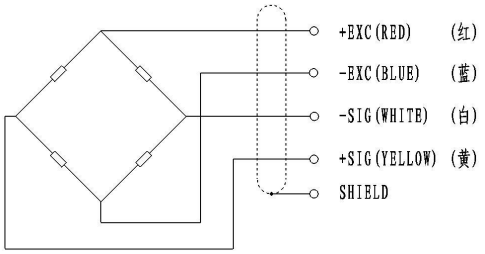
Circuit Diagram:

Red: ＋input

Blue: -input

White: +output

Yellow: -output



Specification:

Type	Technical parameters
Nominal load range	1～150t
Power supply	10~12 VDC
Zero balance	1.0±% of rated output
Analog output	2.0±0.015mV/V
Input resistance（Rlc)	775±5Ω（ohms）
Output resistance（Ro)	700±2Ω（ohms）
Insulation resistance	≥5000 MΩ（Mege-Ohms）
Class precision	0.05%FS
Effect of temperature	0.05%FS/10℃
Operating temperature	-40～+85℃
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	IP66