SM 6 high precision weighing and pull pressure sensor uses American raw materials

BH series foil strain gauge produced by BEAN company proprietary processing technology

Force —— electrical conversion assembly. The elastomer structure adopts the internationally recognized high precision and high stability

The sexual S-shaped structure, coupled with the full sealing measures, so the performance is stable and reliable. Normal make

The average fault-free time (MTBF) is greater than 20000, hours, and has a life of 10~ 12 years;

Compared with the domestic similar products have a higher quality / price ratio. It has been successful

Widely used in high-precision electronic scale, hopper scale, packaging and weighing equipment and other dynamic,

A primary instrument used as a force —— electric conversion in the static measurement and control system.

To enable users of other manufacturers' sensors to share the results,

The thread interface size of this product is consistent with the domestic and international universal products. In this way, the user does not need to update the original device and only change to the corresponding sensor, which can improve the original design performance by several orders of magnitude, generating huge economic and social benefits.

. Main technical indicators:

. Use and precautions:

1. Cable wiring sign of the sensor: excitation power input: red line (+), blue line (-); signal output line: yellow wire (+), white wire (-); shielding wire connection housing.

project	technical						unit	
Scale specification	0.2 0.5 1 2 3 5 10 20 30 50 100 150 200 300 500 1000 2000 3000 5000 10000 20000 30000						kg	
sensitivity	2.0（3.0）±0.5						mV /V	
zero drift	0.02	0.03	0.05	0. 1	0.2	0.3	%F ·S/4h	
Zero temperature drift	0.02	0.03	0.05	0. 1	0.2	0.3	%F ·S/10℃	
Sensitivity temperature drift	0.02	0.03	0.05	0. 1	0.2	0.3	%F ·S/10℃	
input impedence	400±20						Ω	

output impedence	350	Ω	
service voltage	≤15	VDC	
insulation resistance	≥5000	M Ω	
working temperature	-40～＋85	℃	
Allow overload	150	%F ·S	
mode of connection	1. Output (+) yellow line 2. Output (-) white line 4. Power supply (+) red line 3. Power supply (-) blue line 5. Ground of shielding grounding		

2. The press type can be used to install the pressure head at the stressed screw hole. Precision is required to match the high joints

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bearing.(Pressure head, joint bearing or connecting bolts can be provided as accessories according to user needs). No matter how it is installed, attention should be paid to make the load force pass through the center line of the sensor, and no lateral force or twist force can be applied to the sensor.

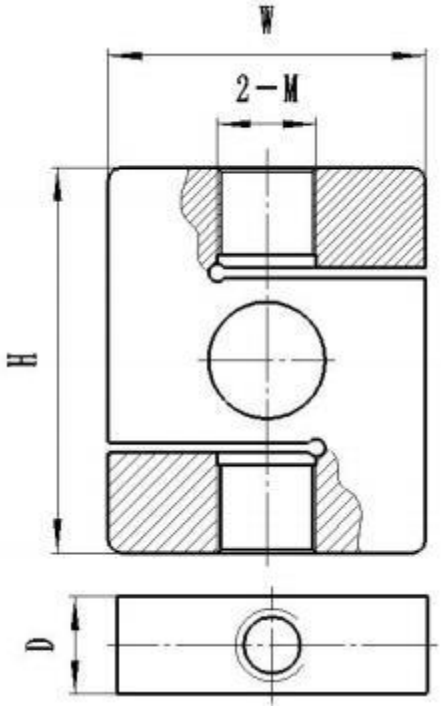
3. The range selection of sensors is recommended to be 80% of the rated load. If several sensors need to be used in parallel (such as electronic scale, hopper scale weighing), it can be selected according to G=p / a • n.

   P: Total load of all sensors a: safety factor, generally 0.6~0.8

   N: Number of sensors used in parallel G: choose the range of the sensor

4. If you need several sensors in parallel or in a long distance, you can choose my balance amplifier, weighing instrument and microcomputer control system, the effect is better.

5. After the sensor is connected to the circuit, it must warm up and start working after the instrument is stable. When making a long-distance measurement, the lead shielding



ter connecting to the system. When the sensor and instrument
ld be paid to the characteristics of the output voltage. If
its polarity, the two input lines or output lines can be

ive cover plate and lead connector are all sealed for
ı them at will.

size mm / range kg	H	W	D	M	model
0.5～3	50	80	8	6	SM 6
5～50	50	60	12	8	
100～500	76	76	24	16	
	70	60	20	12	SM 6H
	70	56	22	16	SM 6J
1000～1500	76	60	27	16	SM 6
2000～3000	90	76	27	20	
5000～7500	105	93	55	24	
10t ～15 t	152	125	60	36×3	
20t ～30 t	160	152	65	36×3	
30t ～50 t	200	160	86	36×3	