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SM10E Load Cell

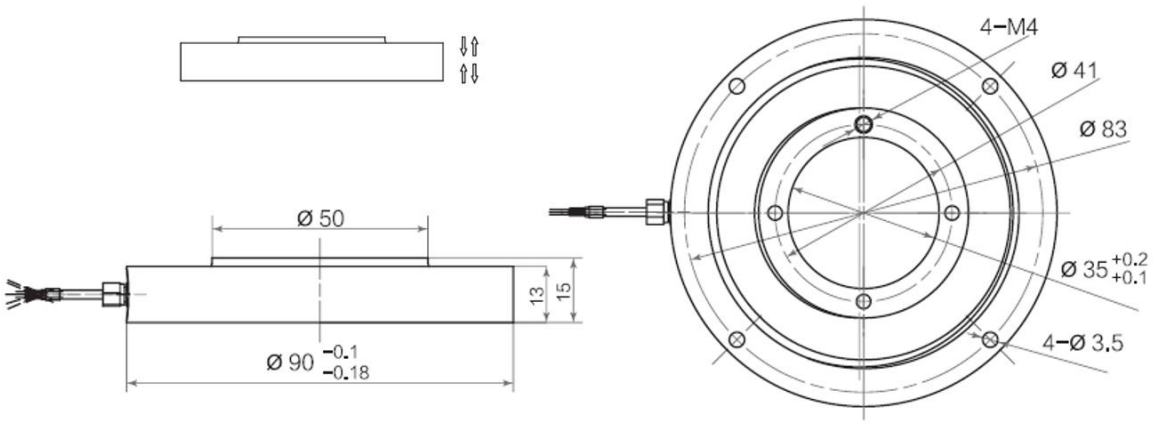
Description

The sensor is made of alloy steel or stainless steel, featuring a circular gasket structure and planar pressure bearing。It is produced by introducing raw materials from the United States and the proprietary processing technology of the American BEAN Company.

It is mainly applicable to the force measurement in various bolts, shafts or force measuring machines and other equipment, and is also used for the tension and pressure testing of screws and members.

Characteristics: good anti-bias property, high precision, low height, small size and convenient installation.

Dimensions（In mm. 1mm=0.03937 inches）



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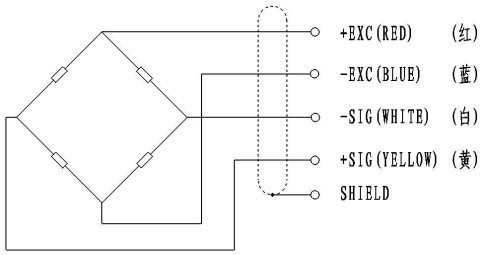
Circuit Diagram：

Red: ＋input

Blue: －input

White: +output

Yellow: －output



Specification：

Type	Technical parameters
Nominal load range	1～2000kg
Power supply	10~12 VDC
Zero balance	1.0±% of rated output
Analog output	2.0±0.015mV/V
Input resistance（Rlc)	780±20Ω（ohms）
Output resistance（Ro)	700±5Ω（ohms）
Insulation resistance	≥5000 MΩ（Mege-Ohms）
Class precision	0.5%FS
Effect of temperature	0.5%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	IP67