

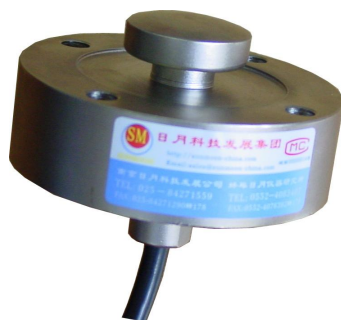
SM32EH Miniature Sensor

Description

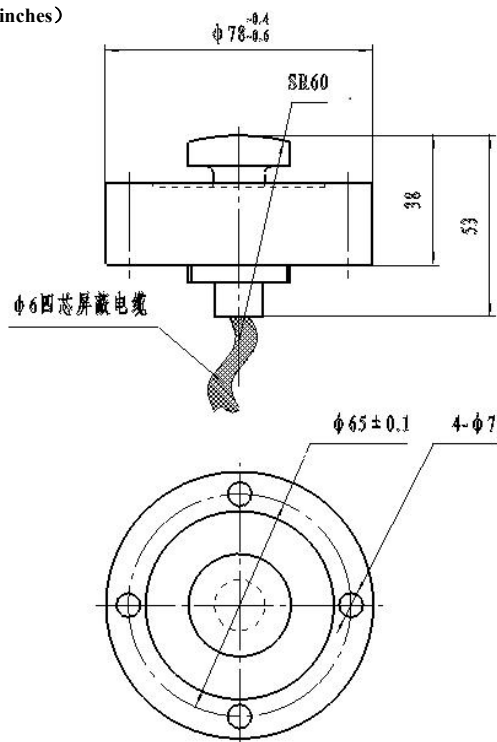
The sensor is made of alloy steel or stainless steel and features a low-profile diaphragm box structure. It is produced by introducing raw materials from the United States and the proprietary processing technology of the American BEAN Company. Laser sealing welding, compression bearing.

It is mainly applied in the fields of key feel tester, pressure detection of cold and hot presses, force value detection with small installation space such as robot hand grip, and various metering equipment.

Characteristics: strong anti-eccentric load capacity, good impact resistance, waterproof and oil-proof, corrosion-resistant, compact in size and easy to install.

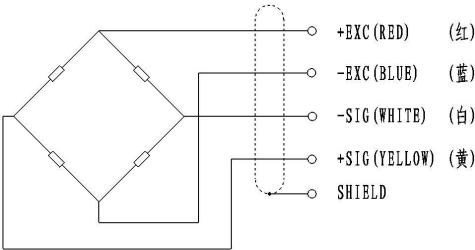


Dimensions (In mm. 1mm=0.03937 inches)



Circuit Diagram:

Red: +input
Blue: -input
White: +output
Yellow: -output



Specification:

| Type | Technical parameters |
|-------------------------------------|--|
| Nominal load range | 1 ~ 5t |
| 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℃ |
| 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 |