

图 picture4 CZ-047

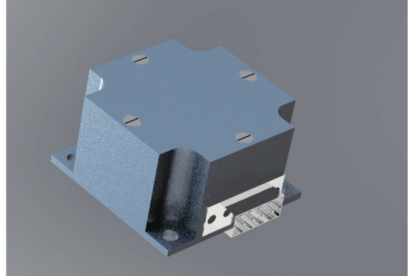


图 picture5 CZ-048

CY-050型驻极体电容式传声器和BY-051型噪声信号调节器

CY-050 Electret Condenser Microphone and BY - 051 Noise Signal Regulator

1.工作原理

该产品通过感声膜片感受噪声变化，感声膜片作为电容的一极，环境噪声的变化引起电容极距的变化，从而引起电容的变化，经过辅助电路，输出交流电压信号。

2.特点

该变送器具有动态范围宽，对高频及低频均噪声不响应，耐振动、冲击等恶劣环境等特点。

3.应用范围

可广泛应用于航空、航天及工业等方面的噪声测量。



图 picture6 CY-050

CZ-049 peak impact vibration sensor is made with piezoresistive effect principle of semiconductor materials. The sensor can be widely used in impact and vibration measurement in aviation, spaceflight, and automobile industry, etc.

Characteristic:

Sensor and signal conditioning circuit are integration, output signal is big, no need amplifier and easy to use. band-pass filter is added in the circuit to improve the anti-jamming ability of the sensor.

Main technical index:

- range: $\pm 50g$
- voltage output: 1 ~ 5VDC
- frequency response: 5 ~ 1000Hz
- temperature range: $-20 \sim 50^{\circ}C$
- Zero temperature coefficient: $\pm 1\%FS$
- acceleration limit: 20X