

烧蚀传感器

ablation sensor

BZ-024系列

本系列传感器利用防热层在烧蚀过程中能炭化导电这一特性，使嵌在防热层内不同深度的金属丝片逐一短路，从而使与它相配套的变换器输出与烧蚀厚度相对应的阶跃电讯号。

性能指标

测量范围：0~9mm（可根据用户要求进行设计）

布点要求：根据用户测点要求

输出信号：传感器与变换器配套测试输出的阶梯信号

幅值范围为0~4.9 ± 0.1V（阶梯数根据用户要求）

环境温度：-40~+75℃

经受环境条件

加速度：39g

低气压：1x10~5Pa

湿热：40 ± 2℃ 相对湿度（95 ± 3）%RH

运输：2~40Hz, 0.015g²/Hz; 40~200Hz, -11dB/out

其他

接插件：J14A-XXTK（根据用户要求阶梯信号的层数来确定）

This series sensors are designed by carbonized conductive feature in the process of ablation heat protection layer, metal wire embedded in the thermal protection layer in different depth would be short circuit, so that corresponding step signals are output from the matching converter with the ablation thickness

Performance Index

Measurement range: 0~9mm (depends on requirement)

location requirement: as requirement

output signal: the sensor and matching converter test output signal

Amplitude range 0~4.9 ± 0.1V (as demands)

environmental temperature : -40~+75℃

Weather conditions

Accelerated speed: 39g

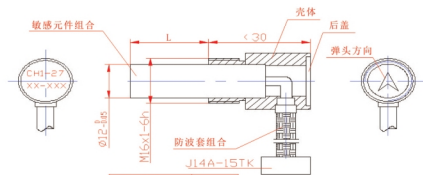
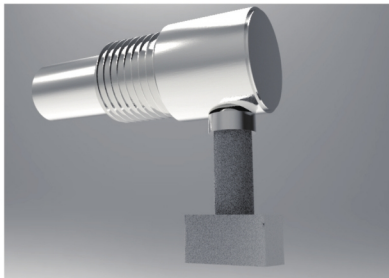
low air pressure: 1x10~5Pa

humidity: 40 ± 2℃ relative humidity (95 ± 3) %RH

Transportation: 2~40Hz, 0.015g²/Hz; 40~200Hz, -11dB/out

others

connector assembly: J14A-XXTK (depends on required layers of stairstep signal)



产品代号	L
CH1-27-2	23
CH1-27-3	15
CH1-27-4	30

CH1-27外型图