

## 铂电阻表面温度传感器

## Surface of platinum resistance temperature sensor

## CY-009系列

本系列传感器采用铂电阻作为敏感元件对被测实体的表面温度进行测量，铂电阻是一种高精度的测温元件，其电阻随温度成正比变化，它的标定，测试以及试验方法国内外均已标准，因此归一性好，易于保证互换性和可靠性。它在空间运载工具上遥测使用，可与YA8-15X系列变换器配套使用。

## 性能指标

测量范围：-40 ~ +300℃ (CW1-13)，-100 ~ +500℃ (CW1-18)，-100 ~ +300℃ (CW1-19A)

精度：ZBY300-85 II级

结构特点：螺钉或胶粘贴安装 (CW1-13、CW1-18)

胶粘贴安装 (CW1-19)

敏感元件：PT100 栅丝铂电阻，薄膜铂电阻

接插件：Y4-4ZJLM或Y8C-4ZJL或不带接插件的引出线输出

加速度：63 ± 3g 三向

运输：(1) 不带包装：2Hz~7Hz 12.7mm 7Hz~200Hz 1.5g 三向 (2) 带包装：2Hz~5.5Hz 12.7mm

5.5~200Hz 1.5g 三向 (3) 带包装运输颠簸：

285 ± 5r/min 12.7mm 三向

湿热：见图1

This series of sensor used platinum resistance as the sensitive element to measure the surface temperature of the entity, platinum resistance is a kind of high precision temperature measuring element, its resistance is proportional with the temperature change, its calibration, testing and test methods at home and abroad all established standards, so it has good normalization, it is easy to ensure interchangeability and reliability. Application in telemetering on the space vehicle, which is dedicated to supporting the use of YA8-15X series convertor.

## Performance Index

Measurement range: -40 ~ +300℃ (CW1-13), -100 ~ +500℃ (CW1-18), -100 ~ +300℃ (CW1-19A)

Accuracy: ZBY300-85 II CLASS

Structural features: Installation with screws or glue (CW1-13, CW1-18) adhesive stick installation (CW1-19)

Sensitive element: PT100 Grid platinum resistance, thin film platinum resistor

Connector assembly: ZJL ZJLM or Y8C Y4-4-4 or lead output without connector assembly

Accelerated speed: 63 ± 3g three-dimension

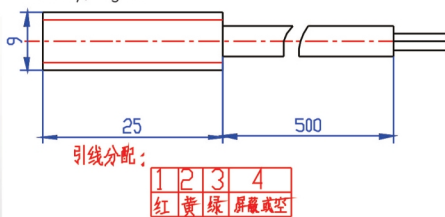
## Transportation:

(1) without package: 2Hz~7Hz 12.7mm 7Hz~200Hz 1.5g three-dimension

(2) with package: 2Hz~5.5Hz 12.7mm 5.5~200Hz 1.5g three-dimension

(3) transportation jolt with package: 285 ± 5r/min 12.7mm three-dimension

Humidity: figure 1



CW1-19A 外形图 Outline drawing