

CYW-079型温度压力复合传感器**CYW - 079 Temperature and Pressure Compound Sensor**

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1. 工作原理

CYW-903型温度压力复合传感器，采用压阻式压力敏感元件和铂材料温度敏感元件，经稳压、放大、滤波、抗干扰等调理电路制作而成。压力、温度信号根据用户要求可采用0-5V、1-5V、4-20mA等标准信号输出方式。

2. 特点

该传感器具有压力温度测量一体化、可靠性高、抗干扰、工作温度范围宽、过载能力强等特点。

3. 应用范围

广泛应用于航天、航空、兵器等国防工程中，亦可用于环境保护、石油、自控、航空等其他领域中的温度压力测量和监控系统。

1. Working Principle:

CYW - 079 temperature and pressure compound sensor has piezoresistive sensing element and Platinum temperature sensing element. It is made by conditioning circuit, such as voltage regulator, amplification, filter and anti-interference. etc. Pressure and temperature signals can output in standard form of 0 to 5 v, 1-5 v, 4-20 ma according to user' s requirements.

2. Characteristic:

The sensor has characteristic of the integration of pressure and temperature measurement, high reliability, strong anti-interference, wide working temperature range, strong anti-overload ability, etc

3. Application:

It is widely used in national defence projects of aerospace, aviation and weapons, such as national defense projects, it can be used in temperature and pressure measuring and monitoring system of environmental protection, petroleum, automatic control, aerospace and other fields.



图 Picture CYW-079

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