

RK310-03 infrared temperature sensor is a sensor that calculates the surface temperature of the object by measuring the infrared radiation intensity emitted by the measured object. Non-contact temperature measurement is the biggest advantage of infrared temperature sensor, the user can easily measure the object which is difficult to approach or move. RK310-03 is an integrated infrared temperature sensor. The sensor, optical system and electronic circuit are integrated in a stainless-steel housing. Easy to install, standard thread on the metal housing can be quickly connected to the installation site.

FEATURES

- Infrared measurement, no-contacted measured object
- Stable output, fast response
- Compact size
- Easy installation
- Suitable for a variety of applications



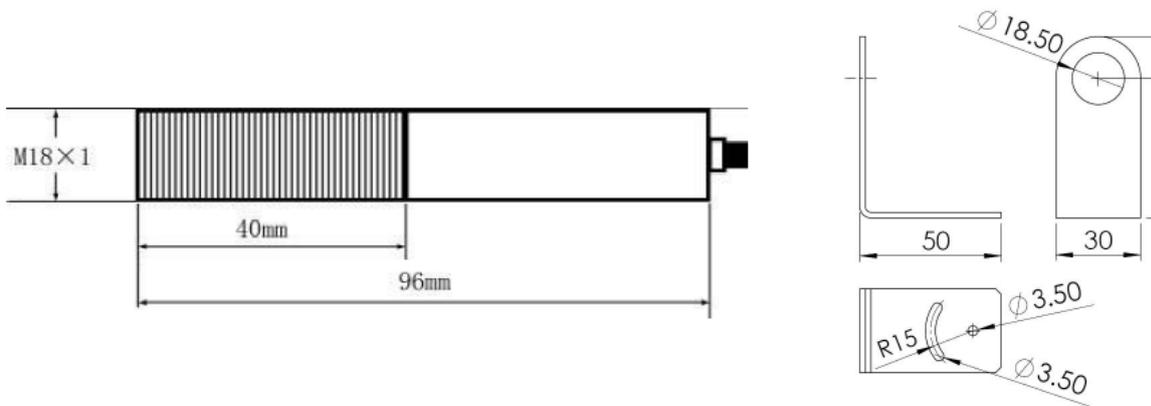
APPLICATIONS

- Electrical equipment, medical field
- Food Construction Industry, Chemicals and Chemical Industry
- Temperature monitoring in process and production field
- Metallurgy, petrochemicals, electric power, light industry, textile industry, food industry
- Defense and scientific research

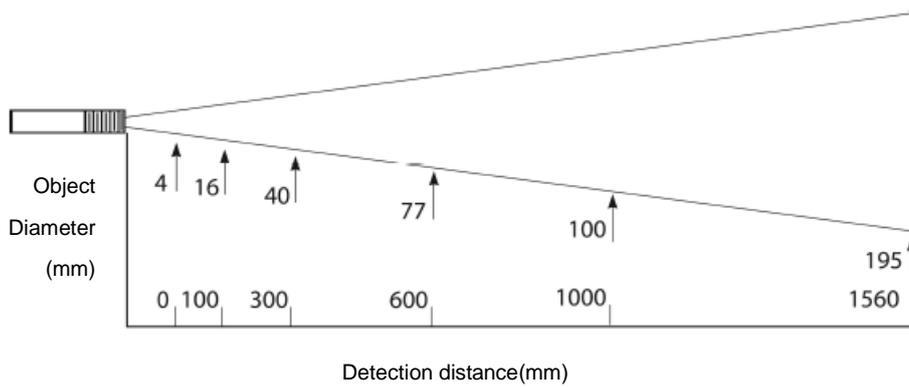
TECHNICAL SPECIFICATION

Item	Technical Specification
Range	0-+100°C
Accuracy	± 1%
Repeatability	± 0.5°C
Power supply	12-30VDC
Output signal	4-20mA, 0-5V, RS485 optional
The measured object size and measurement ratio	8: 1
Emissivity	0.95
Response time	300ms(95%)
Response wavelength	8-14um
Ingress protection	IP65
Storage	-20-+80°C @20%-90%RH
Shell material	304ss
Mounting bracket	304ss

DIMENSION



OPTICAL PATHWAY DIAGRAM



CE Complies with applicable CE directives.

Specifications subject to change without notice. Version 4.0

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