OS137
Infrared Temperature Sensors

Infrared sensors for precise temperature measurement

Description:

OS137 using non-contact temperature measurement device.Provide 4-20mA current output it can be easily installed in a variety of applications, especially suitable for long distances, install more noise industrial environments. The probe uses a stainless steel shell, in the industrial

Performance :

Spectral Range	:	1.6um/1um
Accuracy @ 25ºC	:	±0.5% or 1°C
Repeatability @ 25ºC	:	±0.5% or 5°C
Response Time	:	10ms(95%)
Emissivity	:	0.10-1.00
Analog Output	:	4-20mA with 750 ohm Max. load
Power	:	24 VDC -5%
Sight	:	Laser Sighting(Level 2 laser, the maximum output power1mW,650nm
Operating Ambient Temperature:		10 to 60°C (Without Cooling)
Storage Temperature	:	20 to 70ºC
Protection class	:	IP65
Weight (sensor only)	:	0.9kg

Dimensions :

field with good protection

Factory-Installed Sensor Options

- Mounting Adapters

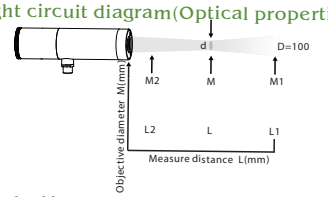
RAM (Right Angle Mount)

MFL (Mounting Flange–Large)

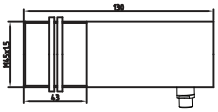
- Digital Panel Meter

RAM (Right Angle Mount)

Light circuit diagram(Optical properties and lens)



Reference dimensions (mm)



Standard lenses SF: Measure distance>480mm,(24mm@1200)
Resolution: Near focal lens CF1: 1.8mm,CF2: 0.9mm
Near focal lens CF1: 200-520mm
Near focal lens CF2: 120-320mm
Diameter measurement points depends on the target and the distance between probes,
Measuring point size reference 90% of the radiation energy

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HOW TO ORDER

Basic Model :

OS137

Output :

V

V	0-5VDC
I	4-20mA

Temperature Range :

2

1	0 to 50°C
2	0 to 100°C
3	0 to 500°C
4	0 to 1000°C

Ordering Example:
OS137 - V - 2