

Non-Contact Surface Temperature Sensor

HIGHWAY/ROAD SENSOR
DATASHEET

Model **[BHM-S-IRSTS]** is a compact **infrared** temperature sensor. The optical analysis system is sited in a compact aluminium shell. A 90 ° adjustable mounting bracket allows an easy installation. It's designed for industrial, outdoor 7/24 monitoring.

Model **[BHM-S-IRSTS]** is compose of thermopile and a thermistor and working based a basic principle that all objects with a temperature above absolute zero emit electromagnetic radiation. The wavelengths and intensity of radiation emitted are related to the temperature of the object. By measuring the infrared radiation energy of their own, surface temperature can be obtained by Model **[BHM-S-IRSTS]**.

SENSOR - VIEW

PROFESSIONAL LINE SPECIFICATION

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|--|--------------------|
| Model | BHM-S-IRSTS |
| Surface Temperature Measurement | -40~70°C |
| Resolution | 0.1°C |
| Accuracy | ±1°C |
| Serial Output | RS485 |
| Formats | MODBUS-RTU |
| Power supply | 12-24 VDC |
| Protection Grade | IP 65 |

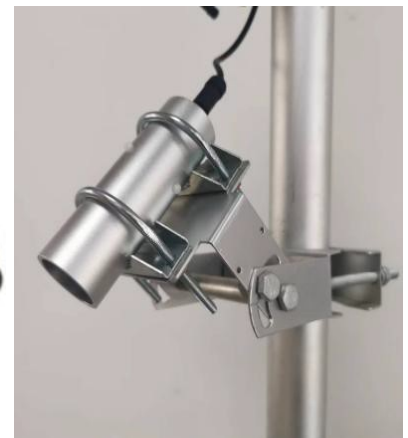
Installation

| | |
|---------------------------------|-------------|
| Measure distance(c) | 2~13 meters |
| Measure area diameter(d) | c:d = 8:1 |

Mounting kits is suitable for poles with 20~80 mm diameter.

APPLICATION - VIEW

- Pavement roadway surface temperature monitoring
- Bridge surface temperature monitoring
- Plant canopy temperature monitoring
- Surface temperature monitoring of soil, snow cover, grass



Representative