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Product Name :

Infrared Thermometer Logger Sensor

Product Code :

SLE/CME/016



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Description :

Infrared Thermometer Logger Sensor (Product Code: SLE/CME/016) is a non-contact temperature sensor used to measure and log surface temperatures from ?30 °C to 382 °C in science experiments and temperature checks. Teachers, lab technicians and field staff connect it through a USB, Wi-Fi, Bluetooth, Graphic Display or Viewer module to record readings at 0.1 °C resolution over runs from 1 second to 31 days. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, among its digital measuring instruments in India.

Specifications

Parameter	Detail
Measurement method	Remote (non-contact) infrared sensor
Temperature range	?30 °C to 382 °C (?22 °F to 719 °F)
Resolution	0.1 °C / 0.1 °F
ADC resolution	13 bit
Maximum sample rate	100 samples per second (subject to experiment duration)
Experiment duration	1 second to 31 days
Compatible communication modules	USB Module, Wi-Fi Module, Bluetooth Module, Graphic Display Module, Viewer Module
Product code	SLE/CME/016
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Infrared Thermometer Logger Used For?

Because it reads temperature without touching the object, the sensor can measure things that are hot, moving, delicate or hard to reach. In class, students can log how the surface of hot water cools, compare how quickly dark and light surfaces warm in sunlight, or follow a heated vessel from a safe distance.

The top of the duration range, 31 days, suits long unattended records of a slowly changing surface, while the maximum of 100 samples per second captures quick changes in short experiments. Infrared sensors read surface temperature, so shiny metal and readings through glass can mislead; aim at a matt surface where possible.

What to Specify When Ordering

- Which communication module you will use (USB, Wi-Fi, Bluetooth, Graphic Display or Viewer), and whether you already have one.
- The number of sensors needed per lab or class.
- The temperatures and logging times of your experiments, to confirm they fall within ?30 °C to 382 °C and 1 second to 31 days.

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