Email : sales@scilabexport.com
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Product Name :

Thermometer, Infra Red, Hand Held

Product Code :

SLE/CH/234



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Description :

Thermometer, Infra Red, Hand Held (Product Code: SLE/CH/234) measures surface temperature from a distance, which makes it a safe choice whenever the object is too hot, moving or hazardous to touch — a hot plate, the side of a heated beaker or a running motor. It covers -35 to 230°C, with the display switchable between °C and °F, and reads in 0.1°C divisions. The instrument is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, and is a compact addition to the laboratory instruments it supplies to schools, colleges and workshops in India and abroad.

Specifications

Parameter	Detail
Type	Hand-held, non-contact infrared thermometer
Temperature range	-35 to 230°C (°C/°F switchable)
Accuracy	±2% or ±2.0°C (±2.0°F)
Emissivity	0.95 fixed
Wavelength	5 to 14 µm
Divisions	0.1°C
Distance to spot ratio	1:1
LCD dimensions	14mm x 24mm
Product dimensions	75mm x 40mm x 20mm
Supplied with	Wrist strap, clip-out stamp and storage pouch

Typical Use

Teachers use a hand-held infrared thermometer to check a hot plate, water bath or heating block before students handle it, and to follow a cooling curve without disturbing the surface being measured. In physics and chemistry lessons it brings heat-transfer experiments to life: students can compare how quickly dark and shiny cans lose heat, see which insulating material keeps a container warmest, or map the temperature along a metal bar heated at one end. It is equally handy for checking the walls of a refrigerator or incubator and the casing of a motor in a technical workshop.

With a distance to spot ratio of 1:1, the measured spot is roughly as wide as the distance to the target, so hold the thermometer close to small objects. The fixed 0.95 emissivity suits most painted, matte, plastic and organic surfaces; bare shiny metal reads low, so cover a small patch with matte tape or paint for a truer value. Glass is opaque at these wavelengths, so aiming at a beaker gives the temperature of the glass wall, not the liquid inside — a useful teaching point for any class using analytical lab instruments.

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