Product name:	Product code:
Infrared Thermometer and Thermal Sensor Training Kit	CMI-NP-2046



Description

Kit with non contact infrared sensor, thermopile and contact probes for comparing temperature measurement methods. Teaches emissivity and distance effects. Students measure heated surfaces with IR and contact methods and learn how emissivity and spot size influence readings.

Technical specification

Heated Plate	150 mm square, 500 W
Reference	K thermocouple
Samples	Black, polished and painted
Power Supply	230 V AC, 50 Hz, single phase
Construction	Powder coated MS frame with laminated work surface and labelled terminals

Standard Accessories

- Patch cord set
- Instruction manual
- Experiment manual

The Infrared Thermometer and Thermal Sensor Training Kit is designed for ITI, polytechnic and TVET laboratories. Students measure heated surfaces with IR and contact methods and learn how emissivity and spot size influence readings.

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Features

- Infrared thermometer module
- Thermopile sensor circuit
- Surface samples with different finishes
- Contact thermocouple for reference
- Heated plate

Technical Specifications

IR Range	-20 to 300 deg C
Distance to Spot	12:1
Emissivity	0.1-1.0 adjustable