Handheld Non-Contact Thermal Probe

Rapid Accurate Measurement of Body Temperature

Non-contact measurement of body temperature of employees/personnel is an important requirement in the wake of the COVID-19 pandemic. The handheld non-contact thermal probe provides a quick and accurate means to measure body temperature. The probe has been designed using small infrared sensors as the sensory elements. The requisite electronic circuitry is provided for the data acquisition and processing. A small display screen shows the value of temperature and also indicates whether the person is feverish or normal. The device is light in weight. The product is designed considering Indian anthropometric parameters, thereby enhancing the ergonomics.

Technical Specifications

- **External Dimensions**: W40 × H150 × D115 mm (max)
- **Weight**: ~ 300 gm
- **Measurement Method**: Passive IR
- **Measuring Unit**: Fahrenheit
- **Repeatability**: ± 1 °F
- **Resolution**: 0.5 °F
- **Response Time**: 0.2 s
- **Measurement Distance**: 30 mm (from sensor)
- **Temperature Range**: 85 to 105 °F

Features

- Cost-effective design
- Compact and light weight
- Portable handheld unit
- Inbuilt display
- Powered by 9V battery
- Ergonomic handle

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