

Indent C&I / TSX / 300 dated 15.10.2006

## ***SPECIFICATION FOR NON-CONTACT TYPE THERMOMETER***

Compact hand held non-contact quick response temperature measurement using infrared radiation energy emitted by the body. The field of measurement indication by two visible laser beam markers, which can be switched off if not required.

### **Electrical specification:**

Range	: -50 to 500°C
Display resolution	: 1°C
Measurement accuracy	: 0 to 200°C $\pm$ 2°C 200 to 500°C $\pm$ 1% of the reading
Response time for 95% value	: 1.5 sec or better
Repeatability	: $\pm$ 0.5 °C
Measurement aperture dia	: 70mm at 1 Metre distance
Power supply	: In build battery to suit, at-least for 36hrs continuous Operation, with auto power off.
Sampling rate	: atleast 2 per second
Emissivity correction ( $\epsilon$ )	: 0.10 to 1.00 in steps of 0.01
Other functions	: min/max reading, Data hold, °C / °F selection

### **Standard Accessories:**

Batteries for initial operation  
Carrying case  
Operation manual  
Calibration certificate with validity and reference data

### **Optional accessories**

**Black body spray** to withstand 550°C, and to measure the temperature accurately by improving the emissivity of gloss surfaces.

### **Mechanical Data**

Size : not more than 200 X 50 X 40 mm  
Weight : Not more than 200 gram including battery.

### **PLEASE NOTE:**

1. The instrument offered can be better than the above specifications
  2. Should have service facility in India with trained engineers to take care of the equipment supplied and to reduce the down time.
  3. The product catalogue should contain only the product offered in depth highlighting the model offered.
  4. Two sets of original product catalogue to be enclosed with the offer.
  5. Vendor should submit the offer with detailed specification of the product offered.
- The offers given as “**as per your specifications**” will be rejected.