

## INFRARED THERMOMETER

## TECHNICAL DATA

### FEATURES

- Infrared thermometer with integral type K thermocouple input
- Built-in laser pointer identifies target area
- 30:1 distance to spot size ratio
- Digitally adjustable emissivity from 0.10 to 1.0
- Automatic emissivity capture
- High and low alarms
- Fahrenheit/Celsius switchable
- Max, Min, Avg, Diff record
- 20 data points of memory
- Display backlighting
- Auto data hold and auto shut off
- Over range and polarity indications
- Trigger lock
- Includes type K thermocouple probe, battery, and carrying case

### SPECIFICATIONS

**Type K Temp. Range:** -58.0 to 2498°F (-50.0 to 1370°C)

**Resolution:** 0.1°C: -50 to 1370°C; 0.1°F: -58 to 1999.9°F;  
1°F: 2000 to 2498°F

**Accuracy:** ±1.5% rdg. +3°C (+5°F): -50 to 1000°C (-58 to 1832°F); ±1.5% rdg. +2°C (3.6°F): 1000 to 1370°C (1832 to 2498°F)

**IR Temp. Range:** -50.0 to 1050.0°C (-58.0 to 1922.0°F)

**Resolution:** 0.1°C (0.1°F)

**Accuracy:** ±5°C (±9°F): -50 to -20°C (-58 to -4°F); ±1.5% rdg. +2°C (+3.6°F): -20 to 200°C (-4 to 392°F); ±2.0% rdg. +2°C (+3.6°F): 200 to 538°C (392 to 1000°F); ±3.5% rdg. +5°C (+9°C): 538 to 1050°C (1000 to 1922°F)

**Optical Resolution:** 30:1

**Emissivity:** Digitally adjustable from 0.10 to 1.0

**Spectral Response:** 8 to 14µm

**Laser:** Class II, output < 1mW, wavelength 630~670nm

**Response Time:** Less than 1 second

**Power Supply:** Single 9V battery

**Dimensions:** 3.9 x 2.2 x 9.0" (100 x 56 x 230mm)

**Weight:** 10.2 oz (290g)



### ORDERING INFORMATION

ST-8835 ..... Infrared Thermometer w/ Type KTC

CERTIIR1 ..... NIST Calibration Certificate

ST-8835-NIST ..... IR Thermometer & NIST