



# ***RAYNGER ST SERIES***

The Raynger ST Series of handheld, noncontact thermometers uses infrared technology to measure the temperature of materials up close, or from a distance. You simply aim, pull the trigger, and read the temperature on a large, backlit LCD display. Lightweight, compact, and easy-to-use, the Raynger ST can safely measure hot, hazardous, or hard-to-reach materials without contaminating or damaging the material's surface. For safe and accurate temperature measurement, reach for a Raytek.

## ***Choice of models***

- The Raynger ST2 allows you to simultaneously read current and maximum temperatures. It includes 0.95 fixed emissivity and 8:1 optics.
- *The ST3 is the lowest-priced noncontact thermometer with laser sighting on the market today.* It offers the same reliable features as the ST2, in addition to laser sighting.
- The Raynger ST6 lets you view maximum, minimum, average, and differential, as well as current readings. In addition you can set HI/LO alarms, recall last reading, and adjust emissivity.
- The Raynger ST8 is the full-featured model with an extended temperature range and 30:1 optics. The expanded optics allows you to increase your distance from the target and measure a smaller spot size.

## ***Applications***

- **AUTOMOTIVE**—Troubleshoot engines, including ignition system problems and fuel/air adjustments. Diagnose cooling systems, including thermostats and coolant sensors; radiators; catalytic converters; brakes, and tires. Perform climate control maintenance with precision.
- **HVAC**—Balance room temperatures, monitor supply/return registers, and test duct work; examine steam traps and check furnace performance; perform energy audits.
- **FOOD SAFETY**—Perform HACCP temperature measurements at receiving. Check cold and hot cooking, holding, and serving temperatures, and ensure safe and uniform storage and transportation temperatures. Maintain freezers, walk-ins, ovens, ranges, and dishwashers. Food inspectors can quickly confirm application temperatures.
- **INDUSTRIAL/ELECTRICAL**—Detect and troubleshoot facility electrical and process maintenance problems...before they happen, including vehicle and fleet maintenance. Check electrical panels for hot spots, find defective transformers, and detect loose electrical connections.
- **AND MORE**—Roofing, asphalt, and concrete applications; commercial printing; plastics molding; fire detection/prevention; race car, aviation, and marine maintenance.

## RAYNGER PORTABLE NONCONTACT THERMOMETERS

### FEATURES

Models	ST2	ST3	ST6	ST8
Emissivity	Pre-set to 0.95		adjustable 0.3 to 1.0	
Laser (Class II)*		✓	✓	✓
MAX, MIN, DIF and AVG temperature	MAX only	MAX only	✓	✓
Recall last reading			✓	✓
Display hold (7 seconds)	✓	✓	✓	✓
HI/LO audible and visible alarms			✓	✓
LCD backlight	✓	✓	✓	✓
Temperature display	10th degree to 199°, °C or °F selectable			
D:S (distance to spot size) (90% energy)	8:1	8:1	8:1	30:1
Hard carrying case		✓	✓	✓

\* Laser is offset 1.2 cm above center of target spot.

### SPECIFICATIONS

#### Temperature Range

ST2/ST3

-32 to 400°C (-25 to 750°F)

ST6

-32 to 500°C (-25 to 932°F)

ST8

-32 to 540°C (-25 to 1000°C)

#### Accuracy

±1% of reading or ±1°C (±2°F), whichever is greater  
@ 23°C (73°F) ambient operating temperature

-18 to 25°C (0 to 77°F) ±2°C (±3°F)

-26 to -18°C (-15 to 0°F) ±2.5°C (±4°F)

-32 to -26°C (-25 to -15°F) ±3°C (±5°F)

#### Repeatability

±1% of reading or ±1°C (±2°F), whichever is greater

#### Response Time

500 mSec, 95% response

#### Ambient Operating Range

0 to 50°C (32 to 120°F)

#### Power

9V Alkaline or NiCad battery

#### Dimensions

137 x 41 x 196 mm (5.4 x 1.6 x 7.7 in)

#### Weight

270 g (9.5 oz)

Specifications subject to change without notice.

### OPTIONS / ACCESSORIES

- Soft Pouch with Belt Clip and Wrist Strap
- Hard Case with Belt Clip  
(standard with ST3, ST6, ST8)
- NIST/DKD Certification



Specifications subject to change without notice © 1998 Raytek Corporation ST0598

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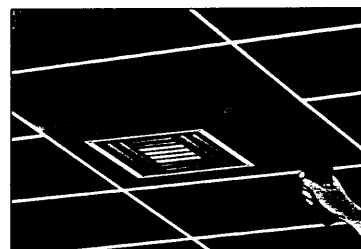
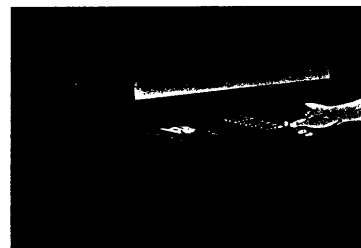
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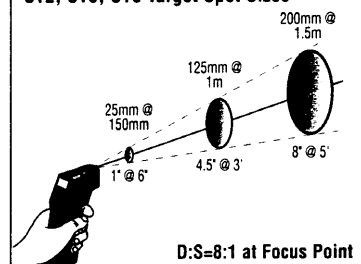
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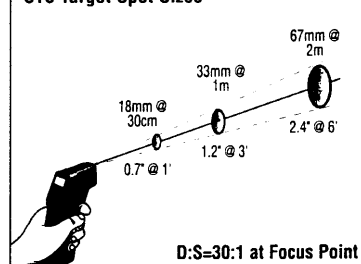
#### DISTRIBUTED BY:



#### ST2, ST3, ST6 Target Spot Sizes



#### ST8 Target Spot Sizes



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