

# MINITEMP®

Portable Infrared Thermometer



## Noncontact Temperature Measurement

### The MiniTemp MT6 thermometer—introducing automotive professionals to noncontact temperature measurement.

Diagnose problems faster and more easily with the Raytek MiniTemp MT6 infrared (IR) thermometer. Portable IR thermometers have become an indispensable tool for automotive troubleshooting and diagnosis.

Spot cooling system faults, identify engine misfires, check for proper A/C performance, verify catalytic converter operation and much more.

The laser point sighting on the MT6 unit helps to direct measurements toward the target, and the large backlit display shows both the current and maximum readings simultaneously. With a protective boot for added durability, award winning ergonomic design and Raytek quality and accuracy, the MT6 model is the perfect introduction to infrared temperature measurements in automotive diagnostics.

- Durable and compact design
- Simple to use
- Laser point sighting
- Large, easy-to-read display
- Instant current and max readings
- Temperature range:  
-30° to 500°C (-20° to 932°F)

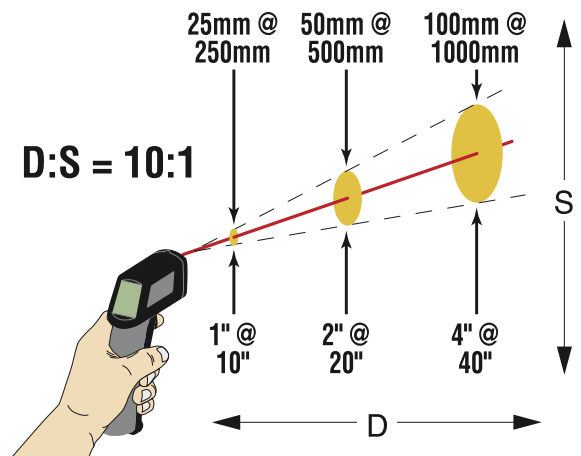


 **Raytek®**

## Specifications

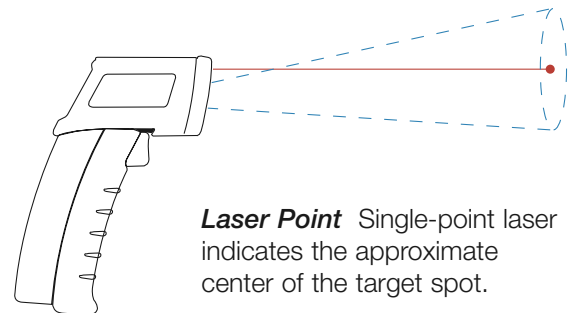
|                                      |   |
|--------------------------------------|---|
| Measurement range                    | -30 to 500°C (-20 to 932°F)   |
| Accuracy                             | ±1°C (2°F) from 10°C to 30°C (50°F to 86°F),<br>± 1.5% of reading or ± 1.5°C (3°F) whichever<br>is greater over the balance of the range<br>(assumes standard and stable measurement<br>conditions) |
| Repeatability                        | ±0.5% of reading or ≤ ±1°C (±2°F)<br>whichever is greater   |
| Emissivity*                          | preset 0.95   |
| Response time                        | <500 mSec   |
| Distance to spot size                | 10:1 calculated @ 80% energy  |
| Spectral range                       | 6.5–18 μm thermopile detector   |
| Display resolution                   | 0.2°C (0.5°F)   |
| Display hold (7 seconds)             | ✓   |
| LCD backlit                          | ✓   |
| Temperature display                  | °C or °F selectable   |
| Ambient operating range              | 0 to 50°C (32 to 120°F)   |
| Relative humidity                    | 10-90% RH noncondensing,<br>@ up to 30°C (86°F)   |
| Typical distance to<br>target (spot) | Up to 2 m (6 ft)  |
| Laser class II                       | Laser Point Sighting  |
| Weight/dimensions                    | 7 oz (200g)<br>152 x 101 x 38 mm (6 x 4 x 1.5 in)   |
| Power                                | 9V Alkaline battery (included)  |
| Battery life (alkaline)              | 12 hours  |
| Storage temperature                  | -20 to 65°C (-4°F to 150°F) without battery   |
| Options/accessories                  | Includes protective boot and storage pouch  |
| Warranty                             | 2 years** (conditional)   |

## Optical Resolution



The MiniTemp MT6 thermometer is intended for close range targets, measuring a minimum target area of 1 inch in diameter from a distance of approximately 10 inches, and measuring approximately a 6 inch area from 5 feet away.

## Laser Sighting



## Included

Storage Pouch

