

# 99 Series

## Infrared Non-Contact Thermometer



The Redington Model 99 line of non-contact thermometers use the latest infrared measuring technologies housed in rugged and ergonomic designs. These high performance measuring instruments feature laser sighting, backlight LCD displays, and are available with some of the highest distance to spot ratios in the industry. With ultra low power consumption and available data storage, the Model 99 line provides extended measuring reliability for a variety of applications.

### Key Features

- Rugged and ergonomic design
- Ultra low power consumption mode
- Backlit Dual display
- °C or °F selectable
- Laser sighting ON/OFF
- 9V battery included
- CE & RoHS Compliant
- Adjustable emissivity from 0.1 to 1.00 in 0.01 steps
- High distance to spot ratio
- Electronic trigger lock

### Applications

- Semiconductor Manufacturing
- Circuit Terminal Testing
- Electrical Troubleshooting
- HVAC Inspection
- Auto Repair & Maintenance

## Specifications

<u>MODEL</u>	<u>9930 IRT</u>	<u>9952 IRT</u>	<u>9972 IRT</u>
<b>D/S Ratio:</b>	8:1	12:1	50:1
<b>Temp. Range:</b>	-4 ~ 605°F (-20 ~ 320°C)	-25 ~ 999°F (-32 ~ 535°C)	-25.6 ~ 2372°F (-32 ~ 1300°C)
<b>Thermopile:</b>	5 to 14µm	5 to 14µm	8 to 14µm
<b>Repeatability:</b>	±2°F (±1°C)	±2°F (±1°C)	±2°F (±1°C)
<b>Resolution:</b>	0.5°F (0.5°C)	0.1°F (0.1°C)	0.1°F OR 0.1°C (Above 2000°F: 1°F)
<b>Response Time:</b>	500ms	500ms	500ms
<b>Operation Temp:</b>	0~50°C (32~122°F),10~90%RH	0~50°C (32~122°F),10~90%RH	0~50°C (32~122°F),10~90%RH
<b>Emissivity:</b>	Fixed at 0.95	Fixed at 0.95	Adjustable 0.1~1.0
<b>Dimensions:</b>	5.9" x 5.2" x 1.8" (150mm x 133mm x 45mm)	6.7" x 5.2" x 1.8" (170mm x 133mm x 45mm)	7.9" x 6.5" x 2.0" (200mm x 166mm x 51mm)
<b>Weight:</b>	5.44oz (169g)	7.12oz (222g)	9.02oz (281g)
<b>10-Point Temperature Data Storage</b>	No	Yes	Yes
<b>Audio Alarms</b>	No	Yes	Yes
<b>Max/Min/Avg./ΔT</b>	No	Yes	Yes
<b>Auto-Measure</b>	No	Yes	Yes
<b>Tripod Mount</b>	No	Yes	Yes

## Part Numbers

<b>9930-IRT</b>	Standard non-contact IRT kit - includes 9V battery, instruction manual, and certificate of calibration.
<b>9952-IRT</b>	Professional non-contact IRT kit - includes 9V battery, instruction manual, certificate of calibration, and reinforced holster case.
<b>9975-IRT</b>	High Performance HDS non-contact IRT kit - includes 9V battery, instruction manual, certificate of calibration, & heavy-duty carrying case.

