

Infrared Thermometers

Raynger 3i models handle a variety of maintenance and quality control applications. Choose the 3i that matches your temperature range and optical requirements, then pick the sighting option that best meets the needs of your specific application.

In addition to displaying real-time temperature, the Raynger 3i calculates, Maximum, Minimum, Difference and Average temperatures, while the recall features allows you to access the last temperature reading. The 3i also compensates for energy reflected by the background around your target so it doesn't affect your reading. The backlit display is easy to read under poor lighting conditions. A locking trigger allows continuous operation, while adjustable Hi/Lo alarms signal over and under-range temperature conditions.

The 3i can also store up to 100 data points in an on-board datalogger, eliminating the need for clipboards, recording devices, or other peripheral hardware. Data output from the 3i provides a direct interface with chart recorders and printers. All models are equipped with an output jack capable of providing either analog or digital signals.

Each 3i is equipped with a padded nylon carrying case, shoulder strap, and tripod mount.

Laser Sighting Options:

Single Laser (L2, L3): The single laser is designed for accuracy over distance. Single laser models pinpoint the center of your target area with a bright laser spot.

Dual Laser (DL2, DL3): The dual laser indicates the diameter of the target area measured with two glowing spots.

Crossed Laser (CL2, CL3): For precise measurement of smaller targets, minimum measurement spot is indicated at the point the two laser beams meet.

Scope & Scope with Laser (SC, SCL2): Measure temperature at a distance in bright daylight. At the focus point, 3i scopes are parallax-free and provide circular reticles for pinpoint accuracy. To enhance the sighting capabilities of the scope, try a combined scope with laser model.



Specifications:

Accuracy:	±1% rdg. or ±1°C (±1.5°F), whichever is greater
Repeatability:	±0.5% rdg. ±1°C (±1°F), whichever is greater
Resolution:	1°C or 1°F
Emissivity:	Adjustable from 0.10 to 1.00 by 0.01
Response Time:	700 msec (1M & 2M: 550 msec)
Power Supply:	4AA batteries or 6-9V, 200mA DC
Dimensions:	Laser: 208 x 257 x 71mm (8.2 x 10.1 x 2.8") Scope: 244 x 257 x 71mm (9.6 x 10.1 x 2.8")
Weight:	Laser: 794g (1.75 lb) Scope: 1000g (2.21 lb)

Model	Description	Temperature Range	Optical Resolution	Spectral Response	Sighting Type & Style*					Price	
					L2	L3	SC	S	D		C
RAYR3iLTDL2U	General Purpose	-30 to 1200°C (-20 to 2220°F)	75:1	8-14µm	•				•		\$3090
RAYR3iLTDL3U						•			•		\$3090
RAYR3iLTCL2U					•					•	\$3630
RAYR3iLTCL3U						•				•	\$3630
RAYR3iLTSCU							•				\$3090
RAYR3iLRL2U	General Purpose Long Range	-30 to 1200°C (-20 to 2220°F)	120:1	8-14µm	•			•			\$3320
RAYR3iLRL3U						•		•		\$3320	
RAYR3iLRSCU							•			\$3090	
RAYR3iLRSCU2U					•	•	•			\$3695	
RAYR3i1ML2U	High Temperature Metals Applications	600 to 3000°C (1100 to 5400°F)	180:1	1µm	•			•			\$3550
RAYR3i1ML3U						•		•		\$3550	
RAYR3i1MSCU							•			\$3320	
RAYR3i2ML2U	High Temperature Metals Applications	200 to 1800°C (400 to 3275°F)	90:1	1.6µm	•			•			\$3630
RAYR3i2ML3U						•		•		\$3630	
RAYR3i2MSCU							•			\$3630	
RAYR3iG5SCU						•				\$3630	
RAYR3iP7DL2U	Thin-film Plastics	150 to 1800°C (300 to 3275°F)	25:1	5µm	•				•		\$3630
RAYR3iP7DL3U						•			•		\$3630

L2 = IEC Class 2; FDA Class II
L3 = FDA Class IIIA

SC = Scope for distance in bright sunlight
S = Single laser

D = Dual laser
C = Crossed laser