

# Specifications and Features

Model	1M	2M
Temperature Range	700 to 3000°C (1292 to 5432°F)	400 to 2000°C (752 to 3632°F)
Accuracy	±(0.5% of reading +1°C) (<2700°C/4892°F)	
Repeatability	±(0.3% or reading ±1°C)	
Exposure Time	40 mSec	
Spectral Response	1.0µm	1.6µm
Emissivity*	0.10–1.00	
Operating Temperature	0 to 50°C (32 to 120°F)	
Relative Humidity	10 to 90%, RH noncondensing @ 30°C (86°F)	
Storage Temperature	-20 to 60°C (-4 to 140°F) without batteries	
Dimensions/Weight	Laser Models: 218mm x 172mm x 74mm/700 g (8.5 H x 6.7 L x 2.9 W in /1.5 lb) Scope Models: 218mm x 222mm x 74mm/950 g (8.5 H x 8.7 L x 2.9 W in /2.0 lb)	
Power	Single cell Lithium-ion, 3.6V, 2500mAh or via USB 2.0	
Battery Life (Lithion-Ion)	24 hours	
Laser	Laser beam for targeting (On/Off )	
Reflected Energy Compensation	✓	
Distance to Spot (D:S)	250:1	
MAX, MIN, DIF, AVG Temperatures	✓	
Backlit LCD	✓	
Temperature Display	°C or °F (selectable)	
Display Resolution	Below 1000°C: 0.1°C	
Locking Trigger	✓	
Tripod Mounting	✓	
Audible Alarms	Target temperature/Ambient temperature/Low battery	
Digital Outputs	USB 2.0 and Bluetooth® 4.0 (USA, EU and Canada)**	
4,900 Point Data Logging	✓	
Spare Accessories	Carrying case • Neck Strap • Spare Lithium-ion rechargeable battery, 2.5Ah • Mini USB port adaptor with multi-country power plug (100–240 VAC, 50/60Hz) including SAA, EU, UK, US and CCC • Mini USB-to-DC jack converter for charging battery separately • Computer cable with USB-to-Mini USB, 1.5m (4.9ft)	

\* For more details, visit [www.raytek.com/emissivity](http://www.raytek.com/emissivity)

\*\* The Raynger 3i Plus is certified to the following RF standards:

(CE) ETSI EN 300328 V1.8.1 (2012-06)

(FCC) 47 CFR Part 15, Subpart C, RSS-GEN/RSS-210

Contact Raytek for a list of other countries where Bluetooth® is available for the 3i Plus

## The Worldwide Leader in Noncontact Temperature Measurement

### Raytek Corporation

#### Worldwide Headquarters

Santa Cruz, CA USA

Tel: 1 800 227 8074 (USA and Canada, only)

1 831 458 3900

[solutions@raytek.com](mailto:solutions@raytek.com)

#### European Headquarters

Berlin, Germany

Tel: 49 30 4 78 00 80

[raytek@raytek.de](mailto:raytek@raytek.de)

#### China Headquarters

Beijing, China

Tel: 8610 6438 4691

[info@raytek.com.cn](mailto:info@raytek.com.cn)

To find a Raytek office near you, please visit [www.raytek.com](http://www.raytek.com)

#### Worldwide Service

Raytek offers services, including repair and calibration.

For more information, contact your local office or e-mail [support@raytek.com](mailto:support@raytek.com)

[www.raytek.com](http://www.raytek.com)



Raytek is an ISO 9001 certified company

© 2015 Raytek Corporation (6004537 Rev. A) 1/2015  
Raytek, the Raytek logo and DataTemp are registered trademarks of Raytek Corporation.  
Windows is a registered trademark of Microsoft Corporation.  
All other trademarks are the property of their respective owners.  
Specifications subject to change without notice.