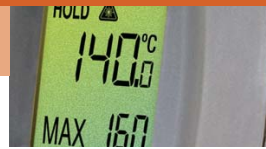


ST™ Pro

Portable Infrared Thermometer



Noncontact Temperature Measurement



The ST Pro Thermometer — The Professional's Rugged Diagnostic Tool.

The Raytek ST Pro infrared (IR) thermometers are built for the professional using surface temperature measurements as a tool to locate and diagnose problems.

Changes in temperature can be found easily and safely with IR thermometers. The ST Pro series improves on entry-level thermometers with expanded temperature ranges, higher resolution optics, tighter accuracy and laser sighting choices.

The laser sighting systems of the ST Pro series help target the measurement with either a single dot Laser Point™ (ST20) or an eight-point Laser Guide™ (ST30). In less than a second, the large temperature display provides the current and MAX surface temperatures, taken during scans.

For industrial maintenance, electrical work, or heating and ventilation monitoring, the professional, dependable ST Pro thermometers make troubleshooting routine.

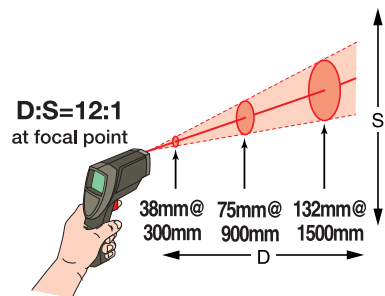
- Simple to use
- Rugged construction
- 1% accuracy
- Instant readings
- Laser Point™ sighting (ST20)
- Laser Guide™ sighting (ST30)
- Temperatures up to 535°C (ST30)
- Large, easy to read display with 7-second hold
- MAX temperature display



Model ST30

Specifications	ST20	ST30
Temperature Range	-32 to 400°C	-32 to 535°C
Accuracy (assumes ambient operating temperature of 23°C)	For targets at -32 to -26°C : ±3°C For targets at -26 to -18°C: ±2.5°C For targets at -18 to 23°C: ±2°C For targets above 23°C: ±1% of reading or ±1°C, whichever is greater	
Repeatability	±0.5% or ≤ ±1°C, whichever is greater	
Response Time	≤ 0.5 second (95% of reading)	
Spectral Response	8-14 μm	
Emissivity*	Pre-set at 0.95	
Ambient Operating Temp.	0 to 50°C	
Relative Humidity	10 - 90%	
Storage Temperature	-20 to 60°C without battery	
Weight/Dimensions	320 g 200 x 160 x 55 mm	
Power	9V Alkaline or NiCd Battery	
Battery Life (Alkaline)	10 hrs w/laser & backlight on 20 hrs w/laser & backlight off	
Laser (Class II)	Offset single-point Laser Point	Offset 8-point circular Laser Guide
Typical Distance to Target	Up to 2 m	
Distance to Spot (D:S)	12:1 at focus point	
MAX Temp. Display	✓	
Display Hold (7 seconds)	✓	
LCD Backlit	✓	
Temperature Display	°C or °F selectable	
Display Resolution	0.2°C	
Hard Carrying Case	✓	
Tripod Mounting	✓	
Additional Options/Accessories	Nylon Holster NIST/DKD Traceable Calibration Certificate	

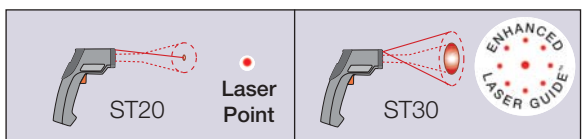
Optical Resolution



The ST20 and ST30 are ideally used within 2 m of the intended target. At greater distances, the measured area will be larger (approximately the distance divided by twelve).

Laser Sighting

The ST20 offset single-point Laser Point™ indicates the approximate center of the measurement area; the ST30 has an offset 8-point circular Laser Guide™ that highlights the approximate measurement area. For the most reliable measurement, the Laser Guide circle should be completely within the desired target so no outside areas are included in the reading.



*For more details, visit www.raytek.com/emissivity.htm

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Raytek offers services including emergency repairs and calibration. For more information, contact your local office or e-mail: support@raytek.com



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