

# ST™ XB Pro

Portable Infrared Thermometer



## Noncontact Temperature Measurement



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

The Raytek ST XB Pro infrared (IR) thermometers are built for the professional who uses 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.

In less than a second, the large temperature display shows the current and MAX surface temperatures, taken during scans.

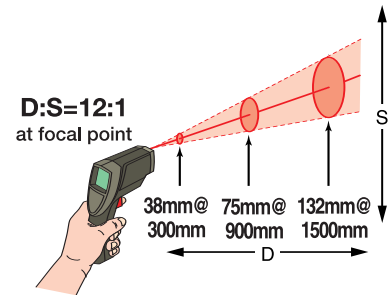
For industrial maintenance, electrical work, or heating and ventilation monitoring, dependable ST Pro thermometers make troubleshooting routine.

- Simple to use
- Rugged construction
- 1% accuracy
- Instant readings
- Laser Point™ sighting
- Temperatures up to 400°C
- Large, easy to read display with 7-second hold
- MAX temperature display

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Specifications	ST20
Temperature Range	-32 to 400°C
Accuracy (assumes ambient operating temperature of 23°C, ±5K)	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
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

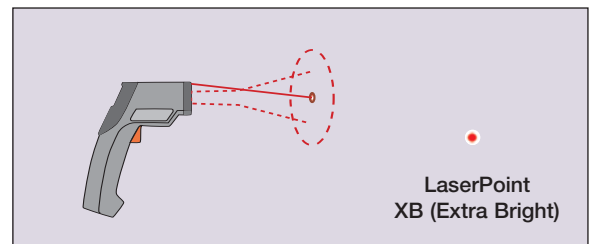
## Optical Resolution



The ST20 XB is 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 laser is bright enough to indicate the target from optimal distances.



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