

Infrared Thermometers

Handheld and portable, the **STProXB** and **STProPlus XB** series of infrared thermometers measure surface temperatures, helping to quickly locate potential blockages or malfunctioning systems. These IR thermometers leap ahead of standard entry level models by providing expanded temperature ranges, higher resolution optics, tighter accuracy and brighter laser sighting. Temperature readings are displayed in less than a second with a 1% accuracy in your choice of °C or °F.

Model ST20XB:

Standard model with extra-bright single-point laser sighting that highlights the center point of the measurement area and makes it more visible in all conditions, especially outdoors, and a temperature range of -32 to 535°C (-25 to 999°F).

Model ST60XB:

Enhanced model with hi/lo alarm, 12-point data logging, advanced optics to measure smaller targets at greater distances, and adjustable emissivity for more accurate temperature measurements. Selectable MAX, MIN, DIF and AVG functions display values instantly. This model has a temperature range of -32 to 600°C (-25 to 1100°F) and a D:S ratio of 30:1. An RTD probe input jack allows the user to do both contact and noncontact temperature measurements with the one model.

Model ST80XB:

This model has all the features of the **ST60XB**, but with an expanded temperature range of -32 to 760°C (-25 to 1400°F) and optics that allows the user to measure smaller objects from farther away.

Model ST80XB-IS:

This model is an intrinsically safe version of the **ST80XB** and is designed for noncontact temperature measurement in potentially explosive or flammable environments.



Model	Description	Price
RAYST20XBUS	Infrared Thermometer	\$229
RAYST60XBUS	Infrared Thermometer	\$429
RAYST80XBUS	Infrared Thermometer	\$549
RAYST80XBISUS	Intrinsically Safe IR Thermometer	\$995
XXXSTACPR1	RTD Temperature Probe	\$80

SPECIFICATIONS	ST20XBUS	ST60XBUS	ST80XBUS/ST80XBIS
Temperature Range	-32 to 535°C (-25 to 999°F)	-32 to 600°C (-25 to 1100°F)	-32 to 760°C (-25 to 1400°F)
Resolution	0.2°C (0.5°F)	0.1°C (0.1°F)	0.1°C (0.1°F)
Accuracy	-32 to -26°C (-25 to -15°F): ±3°C (±5°F); -26 to 18°C (-15 to 0°F): ±2.5°C (±4°F); -32 to -26°C (-25 to -15°F): ±3°C (±5°F); -26 to -18°C (-15 to 0°F): ±2.5°C (±4°F); -18 to 23°C (0 to 73°F): ±2°C (±3°F); 23 to 510°C (73 to 950°F): ±1% rdg. or ±1°C (±2°F), whichever is greater; Above 510°C (950°F): ±1.5% rdg.		
Repeatability	±0.5% or ≤ ±1°C (±2°F), whichever is greater		
D:S (Distance to Spot Size)	12:1	30:1	50:1
Distance to Target	2m (6 ft.)	5m (15 ft.)	8m (25 ft.)
Emissivity	Pre-set to 0.95	Adjustable (0.1 to 1.0 by 0.01)	Adjustable (0.1 to 1.0 by 0.01)
Response Time (95% of reading)	500 mSec	500 mSec	500 mSec
Spectral Response	8-14µm	8-14µm	8-14µm
Backlit LCD	✓	✓	✓
Display Hold (7 sec.)	✓	✓	✓
MAX, MIN, DIF, & AVG	MAX only	✓	✓
12-point Data Logging		✓	✓
HI/LO Alarm		✓	✓
RTD Probe Input		✓	✓
Locking Trigger		✓	✓
Tripod Mount	✓	✓	✓
Hard Carrying Case	✓	✓	✓
Power Supply	9V alkaline or NiCd battery	9V alkaline or NiCd battery	9V alkaline or NiCd battery
Battery Life (Alkaline)	10 hrs. w/ laser & backlight ON; 20 hrs. OFF	20 hrs. w/ laser & backlight ON 50%; 40 hrs. OFF	
Dimensions/Weight	200 x 160 x 55mm (8 x 6 x 2") / 320g (11oz)		