

Temperature Thermometers

Infrared Thermometer



LIT11TC



- 11:1 Optical Ratio
- Laser Pointer
- High & Low Temperature Range
- Backlight
- Carrying Case Included
- K-Type Thermocouple (probe included)
 - Temperature Range 58°F to 482°F (14°C to 250°C)
 - Full range: -83.2°F to 1999°F (-64°C to 1400°C)
- Temperature Accuracy +/- 1% of reading or 2°F

Infrared Specifications

	LIT11TC
Optical Ratio	11.1
Temperature Range	-76 °F to 932°F (-60°C to 500°C)
Best Resolution	0.1°F
Accuracy	+/- 2°F (+/- 1°C)
Emissivity	0.95 adjustable
Automatic shut off	Yes
Power Supply	2 AA Batteries (Included)
Weight	6.3 oz. (179g)
Dimensions	6.9" X 1.5" X 2.8" (175 X 39 X 71mm)

Laser Infrared Thermometers offer precise, non-contact measurement in a lightweight, hand held instrument. With one hand operation, they are ideal for a wide variety of applications.

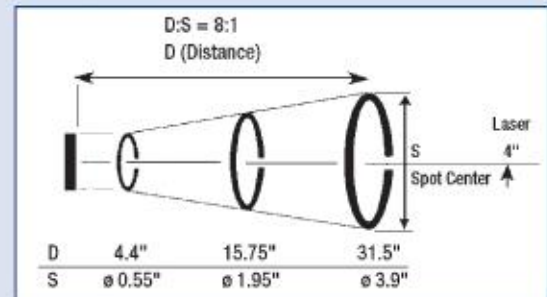
Applications

- Refrigeration Systems
- Heating Systems
- Supply and Return Registers
- Circuit Breaker Panels
- Motors/Bearings
- Transformers
- Ducts
- And More

Application Note:

What is Distance to Spot Ratio (D:S)?

This is the size of the measurement field that a non-contact infrared thermometer uses to provide a temperature reading. The infrared thermometer averages the temperature of that field to calculate the temperature reading. For example, a D:S ratio of 8:1 means that the measurement field measures approximately 1 foot in diameter when the target is approximately 8 feet away.



Emissivity:

The ability of a surface to reflect the infrared radiation relative to an ideal surface. A flat black surface is as close to ideal as you can get. Most infrared thermometers have a fixed emissivity of .95. The more reflective the surface the lower the emissivity adjustment should be.

Accessories

K-Type Thermocouple Probes



Temperature Probe Specifications

	TPFDA	TPFG	TPOC W/ OVEN CLIP	TPP PIERCING	TPS SURFACE
Temp. Range:	-40°F to 950°F -40°C to 510°C	-40°F to 950°F -40°C to 510°C	-40°F to 950°F -40°C to 510°C	-58°F to 482°F -50°C to 250°C	-58°F to 1202°F -50°C to 650°C
Subminiature connector	*	*	*	*	*
4' bead tip probe with FDA approved insulation	*				
3.7" heavy duty chisel tip insertion probe with handle and 4' cord			*		
4" heavy duty spring loaded tip surface probe with handle and 4' cord				*	