

NONCONTACT TEMPERATURE MEASUREMENT “ IRCON - USA ”



Specifications and Features	MX2	MX4+	MX4+NI
Temperature Range	-30°C to 900°C (-25°F to 1600°F)		
Temperature Range with SZ option	-50°C to 500°C (-58°F to 932°F)		—
Accuracy (Assumes ambient operating temperature of 23°C (73°F))	±0.75% of reading or ±1°C (±2°F) whichever is greater		
Repeatability	≤ ±0.5 of reading or ≤ ±1°C (±2°F), whichever is greater		
Response Time	250 mSec (95% of reading)		
Spectral Response	8 to 14µm, thermopile detector		
Adjustable Emissivity* (from 0.1 to 1.0 by 0.01)	✓	✓	✓
Ambient Operating Temp.	0°C to 50°C (32°F to 122°F)		
Relative Humidity	10-90% at 30°C (86°F) non-condensing		
Storage Temperature	-20°C to 50°C (-25°F to 122°F)		
Weight	480g (1 lb. 6 oz.)		
Power	2 AA Batteries	2 AA Batt./AC adapter	2 AA Batt./AC adapter
Power Supply (110 or 220V), PS232 Computer Cable, 1.5 m (60 in), K thermocouple probe	—	✓	✓
Laser Class II	3-dot laser sighting (Meets IEC Class 2 & FDA Class II requirements)		
Single Laser Class III	Option (U.S. only)	—	—
Distance to Spot (D:S)	60:1 (50:1 with Close Focus Option)		60:1
Minimum Measurement Diameter	19mm (0.76") (6mm (0.24") with Close Focus Option)		19mm (0.76")
Maximum and Minimum Temperature	✓	✓	✓
Audible/Visible High/Low Alarm	✓	✓	✓
Differential and Average Temperature	—	✓	✓
Bar Graph Display	✓	✓	✓
100 Points Data Logging	—	✓	✓
Display Hold	✓	✓	✓
LCD Backlit	✓	✓	✓
Temperature Display	°C or °F selectable		
Display Resolution	0.1°C of reading up to 900°C (0.2°F up to 999.8°F)		
Data Graphing Software (Windows compatible)	—	✓	✓
Data Output: RS232 or 1mV per degree (°C or °F)	—	✓	✓
Hard Carrying Case	✓	✓	✓
Tripod Mount	1/4-20 UNC		
Nonincendive (Factory Mutual Research Nonincendive Rated, Class I, Division 2, Groups A, B, C, D; Class I, Zone 2 IIC; T4 Ta=50°C when used with 1.5V alkaline batteries. WARNING: Battery changes non-hazardous locations only. Only Raytek temp probes part XXXMXTTP or XXXMXTCK2 can be connected)	—	—	✓
Close Focus	Option	Option	—
Subzero	Option	Option	—
NIST DKD Calibration Certificate	Option	Option	Option
Warranty 1 Year**	✓	✓	✓

*For more details, visit www.raytek.com/emissivity.htm ** US only. Warranty duration may vary by country.