CYRONIX 416-444-6614

www.cyronix.com

Raytek® Raynger® MX™ Series

Non-contact Infrared Thermometers



Applications

- **Electrical panels, circuit breakers, generators and gearboxes**
- **Gasoline and diesel engine cylinders and railroad axles and bearings**
- **Industrial maintenance**
- **Refrigeration applications and depleted media**
- **ISO 9000 maintenance**
- **Electrical work**
- **Registers air stratification and duct leakage**
- **Food, frozen food preparation, safety and storage**
- **Icing and de-icing on planes and asphalt**
- **Bearings and motors**
- **Power Distribution**

MX2 - Standard Model.....
-25 to 1600°F (-30 to 900°C)

MX4 - Enhanced Model.....
-25 - 1600° F (-30 to 900°C); data logging

MX4+ - Enhanced Model with software.....
-25 - 1600°F(-30 to 900°C); data logging, windows software, 110V AC adapter, RS232 cable, and type K thermocouple probe

SPECIFICATIONS

Temperature range:	-25 to 1600°F (-30 to 900°C), MX2, MX4, MXCF -58 to 932°F (-50 to 500°C), MXSZ
Accuracy*:	±1% of reading or ±2°F (±1°C), whichever is greater
Repeatability*:	±0.5% of reading or ±2°F (±1°C), whichever is greater
Response time:	(95%) 250 mSec
Spectral response:	8 to 14 µm, thermopile detector
Display resolution:	0.2°F to 999.8°F (tenth degree reading up to 900°C)
Ambient operating range:	32 to 120°F (0 to 50°C)
Relative Humidity:	10-95% RH non-condensing @ up to 86°F (30°C)
Storage Temperature:	-25 to 122°F (-30 to 50°C) without battery
Power:	2 AA batteries, DC power for MX4 or MX4+
Tripod mount:	1/4-20 UNC
Dimensions:	7.9 x 6.7 x 2 in (200 x 170 x 50 mm)
Weight:	1 lb. 6 oz. (480 g)

**at 73°F (23°C)*

DISTANCE TO SPOT SIZE RATIO

Standard Focus:	D:S = 60:1
Close Focus:	D:S = 50:1 with spot size of .24 in (6 mm) @ 11.81 in (300 mm)

FEATURES

	MX2	MX4	MX4+
Adjustable emissivity	✔	✔	✔
On-board emissivity table	–	✔	✔
*16-point laser circle spot; meets IEC Class 2 & FDA Class II requirements	✔	✔	✔
*Single Laser Class III	✔	–	–
Audible /visible High alarm	✔	✔	✔
Audible /visible Low alarm	–	✔	✔
Max and Min temperature	✔	✔	✔
DIF and AVG temperature	–	✔	✔
Bar graph display	✔	✔	✔
Data output: RS232 or 1 mV per degree (°F or °C)	–	✔	✔
100 points of data logging	–	✔	✔
Windows-compatible	–	–	✔
Data Graphing Software	–	–	✔
Power Supply (110 or 220V), RS232 Computer Cable, 60 in (1.5 m), K thermocouple probe	–	–	✔

**MX2 available with either 16-point class II, or single point class III laser sighting system*

OPTIONS/ACCESSORIES

- Windows-based Data Graphing Software*
- RS232 computer cable*
- Plug-In Power Supply (110 or 220V)*
- Thermocouple K probe*
- Portable Thermal printer
- Thermistor (NTC) probe
- Calibration Certification
- Close Focus Model
- Subzero Model
- Soft pouch

**Standard with Raynger MX4+*

CE

CAUTION
LASER RADIATION - DO NOT STARE INTO BEAM
OUTPUT < 1mW
WAVELENGTH 630-670 nm
CLASS II LASER PRODUCT

ISO 9001
Certified