



Product Information

Noncontact Thermometer ZC0028

Raynger® MX Series



General specifications for the Noncontact Thermometer, MX Series. The specifications are extracts from the Raytek WEB pages.

General

The instrument offers a broad temperature measurement range from -30°C to 900°C. The optics allow measuring from great distance (or on small objects), and the coaxial laser sighting system make the MX series a advanced portable thermometer. The laser sighting system provides precise infrared beam tracking, resulting in accurate measurement for critical readings.

Uses

The non-contacting thermometer can be used as a stand alone instrument for temperature measurements in e.g. hard to reach places. It can also be used in conjunction with BKV Data Collector Type 2526 series for routine temperature measurements included in a predictive maintenance system.

Used for connection to 2526 for:

- Predictive and Preventive Maintenance
- Electrical Troubleshooting
- Process Monitoring

Specifications

Temperature Range	-30 to 900°C (-50 to 500°C SubZero option)
Accuracy	± 0,75 % of reading or ± 1 K, whichever is greater
Repeatability	less than ± 0,5 of reading or less than ±1°C, whichever is greater
Response Time	250 ms (95% of reading)
Spectral Response	8 to 14 µm, thermopile detector
Distance to Spot (D:S)	60:1 (50:1 with Close Focus Option)
Temperature Display	in °C or °F selectable
Ambient Operating Temperature	-0 to 50°C
Storage Temperature	-20 to 50°C
Power	2 AA Batteries (additional AC adapter available)
Dimensions / Weight	200 x 170 x 50 mm / 480 gram

Safety Specifications

Laser Class ii	3-point laser sighting (Meets IEC Class 2 & FDA Class II requirements)
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