

IRG 420

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This infrared thermometer is used for measuring the temperature of the object's surface, which is applicable for various hot, hazardous or hard-to-reach objects without contact safely and quickly.

This unit consists of Optics, Temperature Sensor Signal amplifier, Processing circuit and LCD Display. The Optics collect the infrared energy emitted by the object and focus it onto the Sensor. Then the sensor translates the energy into an electricity signal. This signal will be turned out to be digital shown on the LCD after the signal amplifier and processing circuit.

Temperature range	-50~420°C (-58~788°F)
Accuracy	0~420°C(32~788°F) :±1.5°C(±2.7°F) or±1.5% -50~0°C(-58~32°F):±3°C (±5°F) Whichever is greater
Resolution	0.1°C or 0.1°F
Repeatability	1% of reading or 1°C
Response time	500 mSec, 95% response
Spectral response	5-14 um
Emissivity	0.10~1.00 Adjustable (0.95 Preset)
Distance to Spot size	12:1
Operating Temperature	0 ~40°C (32 ~ 104°F)
Operating Humidity	10~95%RH non-condensing, up to 30°C(86°F)
Storage Temperature	-20 ~ 60°C (-4~140°F)
Power	3V (1.5V AAA batteryX2)
Typical battery life (Alkaline)	Non-laser mode: 22 hrs; Laser Models:12 hrs