

INTRODUCTION

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 collected the infrared energy emitted by object and focus 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.



FEATURES

- °C/°F temperature unit conversion
- Low Battery Indication
- High & Low Temperature Alarm
- Backlight Display Selection
- Data Retention
- Manual/Auto Power Shut Off

TECHNICAL SPECIFICATIONS

Temperature Range:	-50~950°C (-58~1742°F)
Resolution:	0.1°C or 0.1°F
Accuracy:	0~950°C(32~1742°F) :±1.5°C(±2.7°F) or±1.5% -50~0°C(-58~32°F):±3°C (±5°F) Whichever is greater
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
Power	9V Alkaline or NiCd battery