



IR90 / IR130 / IR160

Dual Laser Hi-Temp IR Thermometer supports K-type Thermocouple

SPECIFICATIONS

| | IR90 | IR130 | IR160 |
|---------------------|---|-----------------------------|--|
| Temperature range | -30 ~ 900°C (-22 ~ 1652°F) | -30 ~ 1300°C (-22 ~ 2372°F) | 600 ~ 1600°C (1112 ~ 2912°F) |
| Spectral response | 8 ~ 14μm | | 1μm |
| Optics resolution | 60:1 | 120:1 | 300:1 |
| Accuracy | ±1% of reading or ±1°C whichever is greater; ±1.5°C (-20 ~ 19.9°C); ±2.5°C (-30 ~ -20.1°C) | | ±(0.5% of reading + 2°C) whichever is greater |
| Repeatability | ±0.5% of reading or ±0.5°C whichever is greater | | ±(0.3% of reading + 1°C) whichever is greater |
| Response time | 300ms | | 5ms |
| Emissivity | 0.10 ~ 1.00 (adjustable) with 0.01 increments | | |
| Resolution | 0.1°C (1°C above 1000°C) | | |
| Digital output | USB | | |
| Input | K-type thermocouple (-40 ~ 760°C) | | |
| Data logger | 2000 points | | |
| Laser | IEC Class2/FDA Class II (<1mW) | | |
| Display | 4 digit backlight LCD display | | |
| Ambient temperature | 0 ~ 50°C | | |
| Storage temperature | -20 ~ 60°C (without battery) | | |
| Relative humidity | 10 ~ 95% non-condensing | | |
| Tripod mount | 1/4 - 20 UNC | | |
| Power supply | 9V alkaline battery | | |
| Battery life time | 10 hours (laser and backlight on) | | |
| Size | 163.5 x 207 x 70mm | | |
| Weight | 470g (battery included) | | |

FEATURES

- Visual and acoustic HIGH and LOW alarm
- 4 digit backlight LCD display
- TCK input
- IR online software
- Wide temperature range (-30 ~ 1600°C)
- Superior optical resolution up to 300:1
- Spot sizes down to 1mm
- 5ms response time
- Dual laser sighting



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