



SEFRAM 9831

**Handheld Thermography Camera
160x120 resolution, 19200 pixels**

Handheld Thermography Camera With automatic hotter spot detection

The handheld thermography camera, specially designed for temperature measurement in transformer substation. It's equipped with a 160x120 resolution thermal detector. It helps the staff to quickly find the fault according to accurate temperature measurement of high temperature targets in the environment. Meanwhile it provides assistant decision and ensure safety. The device is mainly applied to various industries, such as Building, HVAC, and auto industry.

Functions :

- Thermography :

Device detects the real-time temperature, and display it on the screen.

- Storage :

Device is equipped with replaceable memory card to store recorded captured snapshots, and important data.

- Palette :

Device supports 4 colors palette.

- Laser Light Supplement :

Long-distance laser light supplement to point the thermography target.

Key features :

- Image sensor 160x120 resolution
- 320 × 240 resolution 2.4" LCD display
- Built-in rechargeable Li-ion battery
- Up to 8 hours continuous operating
- Thermometry D:S = 75:1, a circular target with a diameter of 1 cm can be measured accurately within a distance of 75 cm

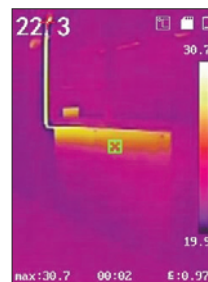


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Applications :



Find easily the bad connections or the overheating in the electrical cabinets.



Verify the good functioning of heating systems.



Detect the hot spots of the electrical installations.



Analyse the thermal bridges on buildings.



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| Specifications | | |
|----------------|------------------------|--|
| Thermal Module | Image sensor | Uncooled Focal Plane Arrays |
| | Max. Resolution | 160 × 120 (19200 pixels) |
| | Pixel Pitch | 17µm |
| | Response waveband | 8µm to 14µm |
| | NETD | < 40mK (@ 25 °C, F#=1.0) |
| | Field of View | 37.2° × 50° |
| | Focal length | 3.1 mm |
| | I FOV (mrad) | 5.48 mrad |
| | Min Focus Length | ≥ 150 mm |
| Image Display | Aperture | F 1.1 |
| | Monitor | 320 × 240 resolution 2.4" LCD display |
| Thermography | Color palette | Black hot, White hot, Rainbow, Ironbow |
| | Rules | 3 thermometry points: Max temperature, Min temperature, Center temperature |
| | Thermometry Range | -20 °C to 550 °C (-4F to 1022 F) |
| | Thermometry Accuracy | Max (±2 °C, ±2 %) |
| Battery | Thermometry Distance | D:S = 75:1 |
| | Battery Type | Rechargeable Lithium Battery |
| Functions | Battery operating Time | 8 hours continuous |
| | Laser Light | Support (Point to the thermography target) |
| | Storage | Swappable memory card (default 8GB, support up to 128GB storage) |
| | Photo | Thermal image |
| General | Language | English |
| | Power | 3.7 V DC/0.4 A |
| | Power consumption | Less than 1.2 W |
| | Hardware Interface | micro USB |
| | Working Temperature | -10 °C to 50 °C (14 F to 122 F) |
| | Protection level | IP54 |
| | Dimensions | 196 mm × 117 mm × 59 mm (7.7 " × 4,6 " × 2.3 ") |
| Weight | 350 g (0.77 lb) | |

Supplied with : Power Adaptor, USB cable, 8GB memory card, user manual, wrist strap.

■ Optionnal accessory



carrying bag - P/N: SC521

For assistance and ordering



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FT9831 A 00 - Specifications can be updated without notice



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