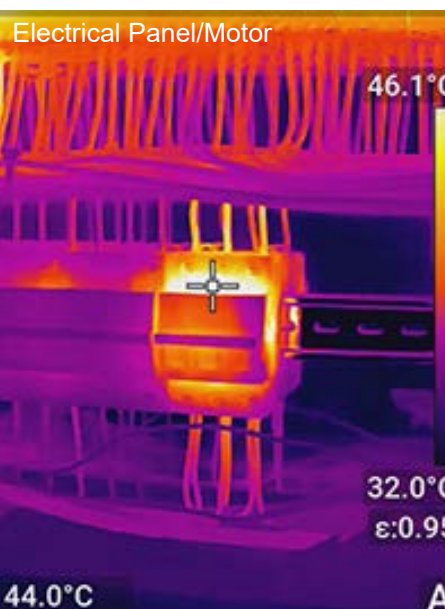


Thermal Imager Ti09

160 X 120 Detectors



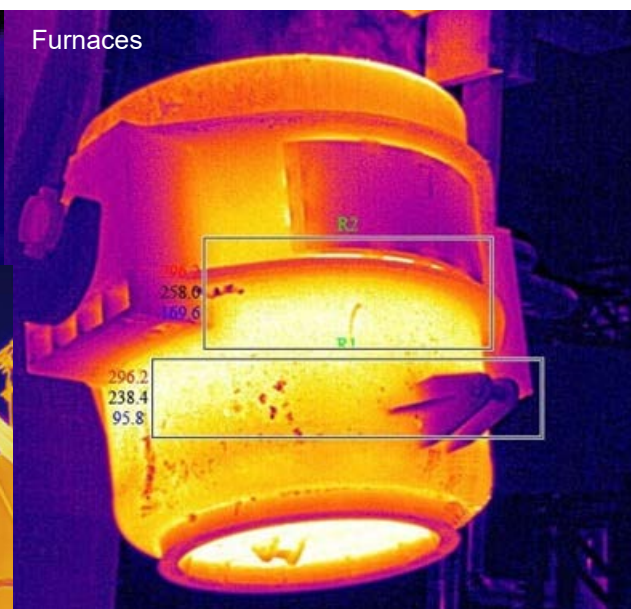
- 2 meters fall down proof
- Lightweight and portable, only 330g
- Support high/low temperature sound and light alarm
- Powerful PC analysis software
- Up to 550°C Measurement Range



PCD/Electronics



Substation / Switchyard



Furnaces



Rotary Kiln



Thermal Imager Ti09

Specifications



Infrared parameters

Detector type	Uncooled FPA, VOX material
IR Resolution	160x120
Spectral Range	8~14μm
Thermal Sensitivity/NETD	< 50mK@25°C
Pixel spacing	12μm
Field of View	40°x30°
Temperature measurement response time	≤500ms
Gain mode	Automatic Gain
Focus	Fixed
Image frame rate	≤25Hz

Temperature measurement

Temperature range	-20°C~550°C
Temperature measurement accuracy	±2°C or 2% of readings
Emissivity	Adjustable from 0.1 to 1.00

Image display

Display	2.4" TFT TN screen, 320x240 pixels
Palette	Iron red, rainbow, white hot, black hot, red hot, lava, high-contrast rainbow
Temperature display	Center point temperature measurement, high and low temperature tracking

Alarm

High and low temperature alarm	The alarm threshold can be set manually, with high and low temperature alarm
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Image storage

Storage method	EMMC built-in storage (28GB available)
Image format	JPG

Other Features

LED lights	Support
Laser pointer	Support

Interface

Data Interface	Type-C USB
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Battery

Battery type	3.7V 2600mAh rechargeable lithium battery
Battery operating time	≥6 hours (at 24°C-28°C, default operating mode)
Charging time	≤2.5 hours
Auto shut-off	Selectable (5 minutes, 10 minutes, 30 minutes, off); default: 30 minutes

Physical parameters

Dimensions	197x72x60mm
Weight	0.33kg
Operating Temperature	0°C~50°C
Operating Humidity	<90%RH (Non-condensing)
Storage Temperature	-20°C~60°C
Ingress Protection	IP54
Drop Resistance	2m
Tripod Mounting	Support 1/4 adapter

Analysis software

PC Analysis software	InfraSoft
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