



## MTi1 1 Thermal Imager

The MTi11 Thermal Imager simplifies the detection of hot connections in distribution boards. With its focus-free design and large screen, identifying and analysing hot spots is both quick and efficient. Lightweight and equipped with a 160 x 120 pixel sensor operating at 25Hz, this thermal imager is an essential tool for maintenance electricians. The Type-C USB port facilitates the transfer of thermal data to a PC for immediate analysis and sharing via email, minimizing costly downtime. Additionally, live images can be viewed on a PC while connected to the MTi11. Key features include adjustable emissivity, a temperature range of -20°C to 550°C, centre spot temperature and hot/cold alarms.

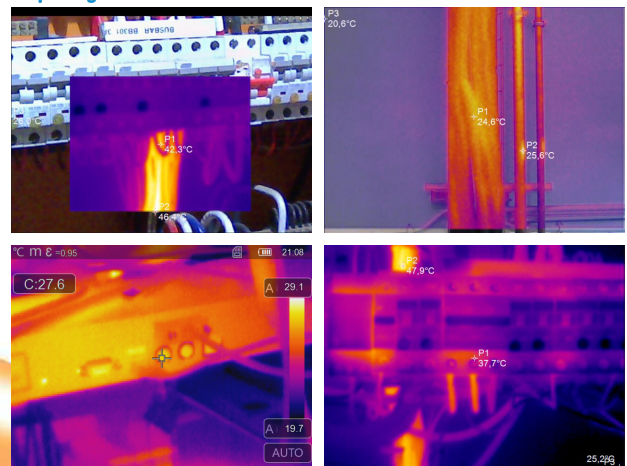
### Features

- 160 x 120 Pixel Thermal Detector
- 25Hz Image Frequency
- Center Spot Temperature
- 2.4" bright LCD display, 240 x 320 Pixels
- Colour Palettes include Iron, Rainbow, Grey, Grey Inverted, Brown, Blue-Red, Hot-Cold, Feather
- Data transfer between camera and PC and Live video between camera and PC via USB
- Rugged and industrial design casing
- Easy to use functions



Function	Range
<b>Imaging and Optical Data</b>	
IR Resolution	160 x 120 Pixels
Field Of View	42° x 32°
Spatial Resolution	4.62mrad
Thermal Sensitivity	<0.05°C at +30°C (86°F) / 50mK
Image Frequency	25Hz
Focus	Focus Free
<b>Image Presentation</b>	
Display	2.4" LCD, 240 x 320
Image Modes	IR Image, Visual Image, Auto Fusion
Colour Palette	Iron, Rainbow, Grey, Grey Inverted, Brown, Blue-Red, Hot-Cold, Feather
<b>Measurements</b>	
Object Temperature Range	-20°C to 550°C (-4°F to 1022°F)
Object Temperature Accuracy	±2°C (3.6°F) or ±2% of reading
<b>Measurement Analysis</b>	
Spot	Centre Spot
Automatic Hot/Cold Detection	Auto Hot or Cold markers
Measurement Corrections	Emissivity, Reflected Temperature
<b>Storage</b>	
Storage Media	8GB Micro SD Card, 3.4GB Internal EMMC
Video Storage Format	Standard MPEG-4 encode, 240x320@30fps, on memory card
Video & Image Storage Mode	IR/Video images, simultaneous storage of IR and Visual images
Image Storage Format	Standard JPEG or HIR files including measurement data, on memory card
Image Analysis	Internal Image analyses tools, Complete function
<b>Digital Camera</b>	
Built-in digital camera	2 Megapixels
Built-in digital lens data	FOV 65°
<b>Data Communication Interfaces</b>	
Interfaces	USB-Type C
USB	Data transfer between camera and PC. Live video between camera and PC
Size	234 x 75 x 100mm
Weight	500g

### Sample Images



**MTi1 1** | **160 x 120 Pixels Thermal Imager**

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