



MTi10 Thermal Imager

The MTi10 Thermal Imager is a compact, entry-level device ideal for electricians requiring fast and accurate thermal diagnostics. With a 96 x 96 pixel sensor at 25Hz, this focus-free camera makes hot spot detection effortless. The Type-C USB port allows for easy transfer of thermal data to a PC, where it can be analysed and emailed to reduce downtime. Live imaging is also supported when connected to a PC. Features include adjustable emissivity, a temperature range of -20°C to 550°C, centre spot temperature and hot/cold alarms.

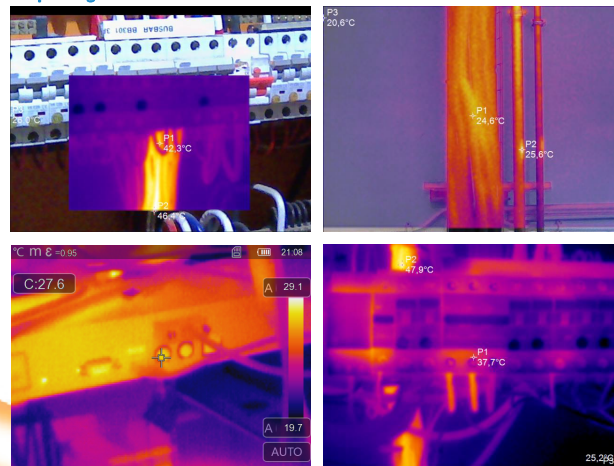
Features

- 96 x 96 Pixel Thermal Detector
- 25Hz Image Frequency
- Center Spot Temperature
- 2.0" bright LCD display, 240 x 120 Pixel
- 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
Imaging and Optical Data	
IR Resolution	96 x 96 Pixel
Field Of View	50° x 50°
Spatial Resolution	8.89mrad
Thermal Sensitivity	<0.05°C at +30°C (86°F)/50mK
Image Frequency	25Hz
Focus	Focus Free
Image Presentation	
Display	2.0" LCD, 240 x 120
Image Modes	IR Image
Colour Palette	Iron, Rainbow, Grey, Grey Inverted, Brown, Blue-Red, Hot-Cold, Feather
Measurements	
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
Measurement Analysis	
Spot	Centre Spot
Automatic Hot/Cold Detection	Auto Hot or Cold markers
Measurement Corrections	Emissivity, Reflected Temperature
Storage	
Storage Media	8GB Micro SD Card, 3.5GB Internal EMMC
Video Storage Format	Standard MPEG-4 encode, 240x320@30fps, on memory card, > 30 minutes
Video & Image Storage Mode Image	IR images
Storage Format	Standard JPEG or HIR files including measurement data, on memory card > 6000 pictures
Image Analysis	Internal Image analyses tools, Complete function
Data Communication Interfaces	
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



MTi10 | **96 x 96 Pixels Thermal Imager**

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