

THERMAL IMAGER



80 x 80 PIXELS

For quick and accurate thermal diagnostics, the MTi11 is a must have for every electrician. With an 80x80 pix 50Hz thermal detector, this compact thermal camera is ideal for beginners. It is focus free and makes detecting hot spots quick and easy. The Bluetooth functionality allows the user to transfer thermal information to a smart device while still in the plant and a PDF report can be sent via email immediately eliminating costly downtime. It features adjustable emissivity, temperature ranges from -20°C to 380°C, centre spot temperature as well as Hot and Cold spot markers.

Features

- 80 x 80 Pixel Thermal Detector
- 6,400 points real temperature
- 50Hz Image Frequency
- Hot, Cold and Centre Spot Temperature
- 2" bright graphical TFT display, 240x320 pixel
- Instant share & save via Bluetooth to iOS and Android smart devices
- Colour Palettes include Iron, Rainbow, Rainbow HC, Grey and Grey Inverted
- Rugged and industrial design casing
- Easy to use functions



Function	Range
Imaging and Optical Data	
Field Of View	21° x 21°
Spatial Resolution	4.53mrad
Thermal Sensitivity	<0.1° at 30°C (86°F)/100mK
Image Frequency	50Hz
Focus Mode Manual	
Focus Mode	Focus Free
Focal Length	7.5mm
Focal Plane Array (FPA)/Spectral Range	Uncooled Microbolometer/8-14µm
IR Resolution	80 x 80 pixels
Image Presentation	
Display	2" colour TFT LCD
Display Resolution	240 x 320 pixels
Image Modes	IR Image
Colour Palettes	Iron, Rainbow, Rainbow HC, Grey, Grey Inverted
Measurements	
Object Temperature Range	-20 to 380°C (-4 to 716°F)
Object Temperature Accuracy	±2°C (3.6°F) or ±2% of reading
Measurement Analysis	
Spot	Centre Spot & 3 Manual Spots
Automatic	Auto Hot & Cold Markers
Adjustable Emissivity	0.01 to 1.0
Measurement Correction	Emissivity, Reflected Temperature
Storage	
Image Storage Mode	Bitmap (.bmp) including measurement data
Data Communication Interfaces	
USB	Micro
Bluetooth	BLE 4.0
Size	175 x 58 x 70mm
Weight	450g

MTi11



File transfer via Bluetooth to free iOS or Android app (phone not included)