

MTP 1321i Visual Infrared Thermometer



MTP 1321i 32 x 31
Thermal Imager
-20 to 300°C / -4 to 572°F

MTP 1321I Visual infrared thermometer

- 2.2" 320x240 TFT LCD display
- IR temperature measurement with resolution 32*31 pixels
- Image capture frequency 9Hz
- Thermal sensitivity (NETD) $\leq 150\text{mK}$
- Hot spot and cold spot tracking
- Visual camera & images capture (BMP)
- Micro SD memory card
- Date/time setup controls
- Adjustable emissivity
- Trigger lock
- Li-ion rechargeable battery
- USB interface for charge

SPECIFICATIONS

TEMPERATURE

Temperature Measurement Range	-20°C to 300°C
Temperature Measurement Accuracy	$\pm 2\% \pm 2^\circ\text{C}$ as tested (at 25°C)
On-Screen Emissivity Correction	Yes
On-Screen Reflected Background Temperature Compensation	Yes

IMAGE PERFORMANCE

Image Capture Frequency	9Hz
Detector Type	Uncooled pyroelectric ceramic
Thermal Sensitivity (NETD)	$\leq 150\text{mK}$
Infrared Spectral Band	6.5 μm to 14 μm
Visual Camera	48608 pixels
Field of View	38° x 38°
Focus Mechanism	Fixed Focus

IMAGE PRESENTATION

PALETTES

Hot Metal, Ironbow, Rainbow, Rainbow High Contrast, Grayscale (white hot) and Grayscale (black hot)	
Level and Span	Auto

BLENDING INFORMATION

Parallax Correction of Visual and IR Blending	0.5m, 1.0m, 2.0m, 3.0m
View Options	Blending of the visual and the infrared from full infrared to full visual in 25% steps
Hot Spot and Cold Spot Tracking	Yes

IMAGE CAPTURE AND DATA STORAGE

Image Capture	Image available for review before a save
Storage Medium	Micro SD memory card, stores up to 6,000 images/GB
File Format	BMP
Memory Review	Scroll through all saved images and view on-screen
Operating Temperature	0°C to 50°C
Storage Temperature	-20°C to 60°C
Relative Humidity	10% to 90% non-condensing
Display	2.2 in diagonal 320*240TFT LCD



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