TC3231 Thermal Camera

Megger.

TC3231 Thermal Camera





Depot Melrose, MA 02176 Phone 781-665-1400 Toll Free 1-800-517-8431

Visit us at www.TestEquipmentDepot.com

- 2.2 inch (55.88 mm) 320*240 TFT LCD display
- **32 x 31 pixel resolution IR temperature** measurement
- Measurement range -20 ° to 300 °C / -4 °F to 572 °F
- Adjustable emissivity
- Micro SD memory for storing up to 6000 images
- High & Low Alarm (enable & disable)
- Selectable colour palette
- Image blending with selectable distance of 0.5 m, 1 m, 2 m or 3 m

DESCRIPTION

The Megger TC3231 offers a professional infrared 32 x 31 pixels image thermometer with a 2.2 inch (55.88 mm) colour TFT LCD display. Quick, accurate readings are possible; covering a wide range of surface temperature measurements.

The product combines the convenience of an infrared thermometer with the visual advantage of a thermal imager providing a troubleshooting camera with infrared heat map.

The TC3231 features a range of selectable thermal image colour palette display options along with high / low user preset temperature alarms. For convenience, background temperature is also user selectable

An easy to use image blending function is also featured; the camera takes an aligned visible, non-infrared, image, together with a full infrared image. The 2 pictures are then blended and can be adjusted between 0 to 100%. This makes identifying problems and pinpointing their location far easier.

As well as centre spot temperature measurement, the camera also offers simultaneous hot and cold spot tracking, with resultant values and location updated continuously on the display.

Up to 6000 images can be saved on the included micro SD memory card which can be downloaded to a PC via the USB interface in BMP file format. An SD card adapter is also provided for file transfer directly to a computer if required.

FEATURES

- Image capture frequency 9 Hz
- Thermal sensitivity (NETD) ≤150 mK
- Hot spot and cold spot tracking
- Visual camera & images capture (BMP) (6000 images)
- Date/time setup controls
- Li-Ion rechargeable battery
- USB interface for charging and downloading images from SD memory
- Auto power off (10 minutes of inactivity)
 - Standard camera mount



TC3231 **Thermal Camera**

SPECIFICATIONS

Temperature:

Measurement Range	-20 to 300 °C (-4° to 572 °F)	Image Capture
Measurement Accuracy	+/-2% +/-2 °C as tested (at 25 °C)	
On-Screen Emissivity Correction	Yes	Storage Medium
On-Screen Reflected Background Temperature Compensation	Yes	File Format
Image Performance:		Memory Review
Image Capture Frequency	9 Hz	
Detector Type	Un-cooled pyroelectric ceramic	Operating Temper
Thermal Sensitivity (NETD)	≤ 150 mK	Storage Temperat
Infrared Spectral Band	6.5 µm to 14 µm	Relative Humidity
Visual Camera	48608 pixels	Display
Field of View	38° x 38°	Overload Display
Focus Mechanism	Fixed Focus	Dimensions
Image Presentation:		Dimensions
Palettes	Hot Metal, Ironbow, Rainbow, Rainbow High Contrast, Grayscale (white hot)	Weight
		Battery (fitted)
	Grayscale (black hot)	Auto Power Off

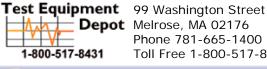
Auto

Level and Span

File Format Memory Review **Operating Temperature** Storage Temperature **Relative Humidity**

Image capture and data storage: Image available for review before a save Micro SD memory card, stores up to 6,000 images, 4 GB supplied bmp Scroll through all saved images and view on-screen images / delete unwanted images 0 °C to +50 °C -20 °C to +60 °C 10 % to 90 % non-condensing 2.2 inch (55.88 mm) diagonal 320 x 240 TFT LCD ----

208 mm (H) x 62 mm (W) x 150 mm (D) 406 g (including battery) 18500 3.7 V 1400 mAh Li-Ion 10 minutes



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ORDERING INFORMATION

Description	Part number	Description	Part number
TC3231 Thermal Camera	1012-514	Included accessories	
		USB mains charger	
		Charger adapters (UK, Schuko, US, AUS),	
		USB lead	
		Micro SD card	
		SD card adapter	

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ISO 9001 The word 'Megger' is a registered trademark

