FLIR ®

FLIR T250

Infrared Camera with Picture in Picture and Touch-Screen Display

FLIR T250, the T-Series´ base model, offers maintenance thermographers a powerful solution ideal for finding electrical hot spots and faulty equipment. The camera has touch-screen LCD, thumbnail image gallery and interchangeable lenses.

- *80 mK thermal sensitivity*
- *IR resolution 240 x 180 pixels*
- *Temperature range -20 °C to +350 °C*
- *Digital camera, 3.1 Mp with LED lights*
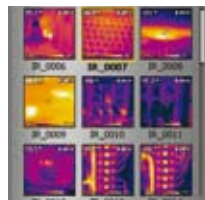- *Picture in Picture*
- *MeterLink™*

Multifunction 3.5"
Touch Screen

Picture in Picture (PiP)

120° lens rotation

Thumbnail Image Gallery

FLIR T250 Features

- **High Resolution IR Images** — 320 x 240 pixels infrared resolution, NETD 80 mK

- **Digital Camera** — 3.1 Megapixels with built-in LED lights provides sharp images regardless of lighting conditions

- **Wide Temperature Range** — Measures from -20 °C to +350 °C targeting electrical and industrial applications

- **Zoom** — 2x continuous digital zoom for capturing small details

- **Picture in Picture (PiP)** — Displays IR image super-imposed over a digital image

- **Laser Pointer** — Pinpoints the hot spot on the IR image with the real physical target

- **Annotations** — Add voice/text/sketch comments and image markers via. touch screen

- **± 2% Accuracy** — Reliable temperature measurement

- **Thumbnail Image Gallery** — Allows quick search of stored images

- **Copy to USB** — Upload images and measurement findings to USB stick

- **MeterLink™** — Wirelessly transmit data from clamp or moisture meter to your infrared camera

- **Panorama** — Take sequencial images and combine to large image with FLIR BuildIR SW

- **IR Window Auto-Correction** — Automatic sensitivity adjustment when inspecting high voltage through safety IR windows

- **Li-Ion Rechargable Battery** — Replaceable battery lasts > 4 hours of continuous use

- **Interchangeable Optics** — Standard 25° lens and optional 6°, 15°, 45°, 90° and close up lenses

- **Standard SD Card** — Stores more than 1000 radiometric JPEG images

- **Includes** — SD Memory Card, Li-Ion rechargeable battery with 100-260V AC adaptor/charger, 2-bay battery charger, QuickReport software, USB Mini-B cable, video cable, sun shield, Calibration certificate, stylus pen & headset, camera lens cap, and transport case
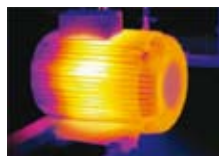

What is MeterLink™?

MeterLink displays and documents readings from your Extech moisture- or clamp meter directly on your infrared image using Bluetooth wireless connection.

MeterLink, a FLIR industry-first technology, will: greatly improve your diagnostics, save time annotating readings, eliminate data errors, and add more customer value to your reports.
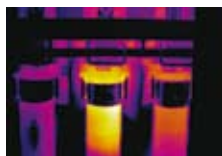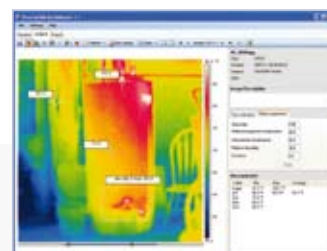
METER LINK ☏ Bluetooth

Applications

Motor: Bearing Problem

Motor: Internal Winding Problem

Electrical: Hot Fuses

Building: Heat Loss

FLIR T250 Specifications

Imaging and optical data	
Field of view (FOV)	25° × 19° / 0.4 m
Thermal sensitivity/NETD	< 0.08°C @ +30°C (+86°F) / 80 mK
Focus	Manual/Automatic
Zoom	1–2× continuous, digital zoom, including panning
Spectral range	7.5–13 µm
IR resolution	240 × 180 pixels

Image presentation	
Display	Built-in touch screen, 3.5" color LCD
Image modes	IR image, visual image, picture in picture, thumbnail gallery
Picture in Picture	Scalable IR area on visual image

Measurement	
Object temperature range	−20°C to +120°C
	0°C to +350°C
	High temperature option +1200°C
Accuracy	±2°C or ±2% of reading

Measurement analysis	
Spotmeter	5
Area	5 boxes with max./min./average
Isotherm	Detect high/low temperature/interval

Set-up	
Color palettes	BW, BW inv, Iron, Rain

Storage of images	
Image storage	Standard JPEG, including measurement data, on memory card
Image storage mode	IR/visual images; simultaneous storage of IR and visual images

Video recording and streaming	
Radiometric IR-video streaming	Full dynamic to PC using USB
Non-radiometric IR-video streaming	MPEG-4 to PC using USB

Image annotations	
Voice	60 seconds
Text	Text from predefined list or soft keyboard on touch screen
MeterLink	Connect Extech Clamp Meter EX845/Moisture Meter MO297 via Bluetooth®

Digital camera	
Built-in digital camera	3.1 Mpixel (2048 × 1536 pixels), and LED lights

Physical data	
Camera weight, incl. battery	0.88 kg
Camera size (L × W × H)	106 × 201 × 125 mm

Optional Software

- **FLIR Reporter™**
  A powerful yet easy-to-use tool to generate comprehensive and professional infrared inspection reports.

- **FLIR QuickPlot™ and ResearchIR**
  A software designs for entry to mid-level R&D application that helps to visualize thermal patterns

Accessories

- Pouch
- Extra battery
- Battery charger
- Car charger
- Selection of lenses

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Training

FLIR cooperates with Infrared Training Centre, an independent, ISO certified, worldwide training facility. ITC offers infrared training, certifications accepted by many standardization organizations, and specialized instruction in various application areas. For more info visit www.infraredtraining.com

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