FLIR B250

Infrared Camera with Picture in Picture and Touch-Screen Display

FLIR B250, the B-Series´ base model, offers building thermographers a powerful solution ideal for detecting poor insulation, moisture, air leakages, etc. The camera has touch-screen LCD, thumbnail image gallery and interchangeable lenses.

- *70 mK thermal sensitivity*
- *IR resolution 240 x 180 pixels*
- *Dew point & Insulation alarm*

- *Digital camera, 3.1 Mp with LED lights*
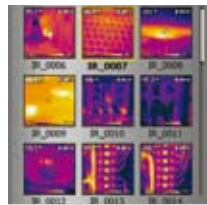- *Picture in Picture*
- *MeterLink™*

Multifunction 3.5"
Touch Screen

Picture in Picture (PiP)

120° lens rotation

Thumbnail Image Gallery

FLIR B250 Features

- **High Resolution IR Images** — 240 x 180 pixels infrared resolution, NETD 70 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 +120 °C targeting building applications

- **Insulation alarm** — Shows the insulation performance of the building structure

- **Dew point alarm** — Alerts you to the areas where there is a risk of condensation

- **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

- **T**humbnail Image Gallery** — Allows quick search of stored images

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

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

- **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

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

- **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 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
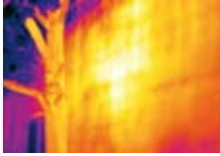
What is MeterLink™?

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.
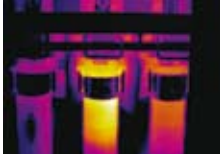
METER LiNK
Bluetooth

Applications

Building: Water and mildew in wall

Building: Heat Loss

Electrical: Hot Fuses

Building: Heat Loss

FLIR B250 Specifications

Imaging and optical data	
Field of view (FOV)	25° × 19° / 0.4 m
Thermal sensitivity/NETD	< 0.07°C @ +30°C (+86°F) / 70 mK
Image Frequency	9 Hz
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
Accuracy	+/- 2 °C (+/- 3.6°F) or +/-2% of reading

Measurement analysis	
Spotmeter	5
Area	5 boxes with max./min./average
Isotherm	Detect high/low temperature/interval
Dew point alarm	1 dew point alarm
Insulation alarm	1 insulation alarm

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

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

itc INFRARED TRAINING CENTER

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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