



**FLUKE**

**BLACK & ASSOCIATES**  
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- Complete imaging solution
- Low cost of ownership
- Designed for predictive maintenance

**Fluke Ti30™ Thermal Imager**  
Everything needed for everyday imaging.

# Low cost of ownership for a fully radiometric imager

The Fluke Ti30 Thermal Imager provides low total cost of ownership for a full-featured, radiometric imager. The package includes all hardware, software and training required without any additional costs. Standard calibration and service rates for the Ti30 imager are also extremely competitive for the industry.



- Docking Station with Universal Power Adapter and USB Connection
- Hardshell Carrying Case
- USB Field Cable
- Rechargeable Battery Pack
- AA Battery Pack (batteries not included)
- Interactive CD with InsideIR Software and User Manual
- Training Presentation CD
- Carrying Pouch
- Wrist Strap
- Sun Visor
- Quick Reference Card
- One Seat in Professional Training Course

To understand your full investment in a thermography program, here are some questions to consider:

## **Product and performance**

- Is the camera you are purchasing fully radiometric (i.e. measures temperature on every one of the available pixels)?
  - The ability to measure absolute temperature is critically important to establishing an effective predictive maintenance program for electrical and mechanical equipment.

## **Software**

- Is there an additional cost for professional reporting software?
- Is there a licensing fee for each additional user or desktop?

## **Training and ease of use**

- Is training offered at no additional cost?
- Is the camera easy to use?
- Will your electricians and/or mechanics, with only some basic training, be able to use the camera as a tool to help them do their job better?

## **Re-calibration, service and repair**

- How much does it cost to send the camera in for calibration?
- How much do basic repairs cost?
- How likely is it that the lens will be scratched?

## **Additional batteries, chargers or replacements**

- How does the battery recharging time compare to the battery discharging time?
- How many batteries and charging stations are needed to get through a full day of inspections?

# Fluke Ti30 Thermal Imager Specifications

**FLUKE**

<b>Detector</b>	
Detector Type:	120 x 160 uncooled focal plane array
NETD (Thermal Sensitivity):	200 mK
<b>Thermal</b>	
Temperature Range:	-10 to 250 °C (14 to 482 °F)
Accuracy:	±2 % or ±2 °C (±3 % or 3 °C from -10 to 0 °C)
<b>Optical</b>	
Optical Resolution:	90:1
Slit Response Optical Resolution:	225:1
Minimum Diameter Measurement Spot:	7 mm (0.27 in) at 61 cm (24 in)
Field of View (FOV):	17 ° Horizontal x 12.8 ° Vertical
Target Sighting:	Single laser (Meets IEC Class 2 & FDA Class II requirements)
<b>Controls and Adjustments</b>	
Focus:	Focusable, 61 cm (24 in) to infinity
Temperature Scale:	°C or °F selectable
Palettes:	Gray, Ironbow or Rainbow
Measurement Modes:	Automatic, Semi-Automatic or Manual
LCD Backlight:	Bright, Dim, Off-Selectable
Adjustable Emissivity:	0.10 to 1.00 by 0.01
Reflected Background Temperature:	-50 to 460 °C (-58 to 860 °F)
<b>Environmental</b>	
Ambient Operating Temperature:	-10 to 50 °C (14 to 122 °F)
Relative Humidity:	10 to 90 % Non-Condensing
Storage Temperature:	-25 to 70 °C (-13 to 158 °F) [without batteries]
<b>Other</b>	
Storage Capacity:	100 images
Power:	Rechargeable battery pack or 6 AAs (not included)
Battery Life:	Minimum 5 hours continuous use
Image Frame Rate:	20 Hz
Thermal Analysis Software:	InsideIR (included)
PC Software Operating Systems:	Microsoft® Windows® 2000® or XP®
Weight (includes batteries):	1 kg (2.2 lb)
Warranty:	1 year (U.S. only)

## Ordering information

 **Black & Associates** 

**Thermal Imaging / Infrared Cameras**

**Electrical Testing Equipment**

**Certified Level III Thermographers**

**Infrared Certification Courses**

**Serving the Power Industry  
for Over 30 Years**

**Owned & Operated by  
Decorated American Veterans  
of Foreign Wars**

**Small Business**

**CCR Registered, DUNS 098670995,  
TIN 521178183, Cage Code 3T845**

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