

Thermal Imager

Expand your preventative maintenance program

Predictive maintenance (PdM) programs rely on periodic inspections of the critical assets comprising a plant or facility. These inspections range from visual inspections to nondestructive testing performed using a variety of technologies. To optimize a PdM program, one must develop a series of routes, determining the equipment to be inspected, the frequency of those inspections, and the sequence or physical course for each.

With the **Ti30** thermal imager, images taken on a planned inspection route can be combined with location names and temperature data and uploaded to the camera for use as a “routing guide”. The user is prompted exactly where to take images during subsequent inspections, thereby improving accuracy. New images can easily be compared to previous scans using InsideIR software, helping identify potential problems before they cause failure.

Easy to learn and easy to use

With the **Ti30** thermal imager, maintenance personnel can conduct thermographic inspections anytime, anywhere, and identify potential equipment problems before they cause failure. Single level menus make set-up easy, without the complicated multi-layer decisions other imagers require. Gain and level controls can be set to “automatic” or changed manually for maximum flexibility. Simply squeeze the trigger once to freeze an image, then choose whether to store it or discard it without saving. Direct access switches for laser sighting, temperature scale, backlight and measurement modes means modifying parameters takes only a second. The camera’s over five hours of continuous use battery life and 100-image storage capacity are more than enough for a full day of uninterrupted inspections.

Powerful and flexible InsideIR software

Because the camera collects 12 bits of information for every one of its 19,200 pixels, users in the field can simply point, focus and shoot. With a properly composed, well-focused image, all further analysis can be performed with the InsideIR software in the comfort of an office.

In the imager during the scan, or later in the software, adjust:

- Palette settings
- Emissivity
- Reflected temperature correction values
- Level and gain

This approach provides flexibility and eliminates the need to re-scan equipment if different settings are desired once the user is back in the office.

Included accessories

The **Ti30** is supplied with everything needed for everyday imaging including: a docking station with universal power adapter and USB connection; USB field cable; rechargeable battery pack; interactive CD; training presentation CD; quick reference card; carrying pouch, wrist strap and hardshell carrying case.



Specifications:

Temperature Range:	-10 to 250°C (14 to 482°F)
Accuracy:	±2% or ±2°C (±3% or ±3°C: -10 to 0°C)
Reflected Background	
Temperature:	-50 to 460°C (-58 to 860°F)
Emissivity:	Adjustable, 0.10 to 1.00 by 0.01
Optical Resolution:	90:1
Slit Response O.R.:	225:1
Min. Spot Diameter:	7mm (0.27") at 61cm (24")
Field of View:	17° horizontal x 12.8° vertical
Target Sighting:	Single laser dot
Focus:	Focusable, 61cm (24") to infinity
Palettes:	Gray, ironbow or rainbow
Storage Capacity:	100 images
Power Supply:	Rechargeable battery pack or 6 "AA" batteries (not included)
Battery Life:	Min. 5 hours of continuous use
Weight:	1 kg (2.2 lb)

Model	Description	Price
FLUTI30XXUS	Thermal Imager	\$11950