



The Global Leaders in Infrared Cameras

ThermaCAM[®] P60



**The ultimate handheld for
those obsessed with what's hot.**

FIND IT

MEASURE IT

REPORT IT

Put a complete predictive maintenance

FIND IT

From the field to your final report, the new ThermoCAM® P60 for the professional thermographer quickly captures, documents and tracks all the data you need to make informed maintenance decisions onsite. With an ergonomic design and easy-to-use controls, the lightweight but powerful P60 maximizes your productivity by letting you hunt down hard-to-find problems, analyze them onsite and report them with just the push of a button.



An innovative, detachable LCD and remote control let you operate the camera and shoot awkward locations without getting bent out of shape.

MEASURE IT

Advanced technology integrates visual and thermal images and offers incredibly sharp, high-resolution images, so you can measure temperature accurately.

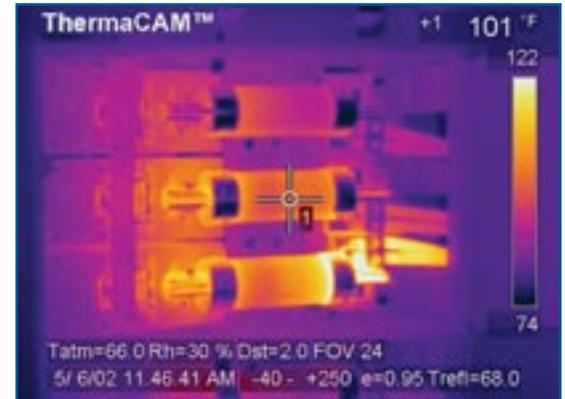


system in the palm of your hand.

REPORT IT

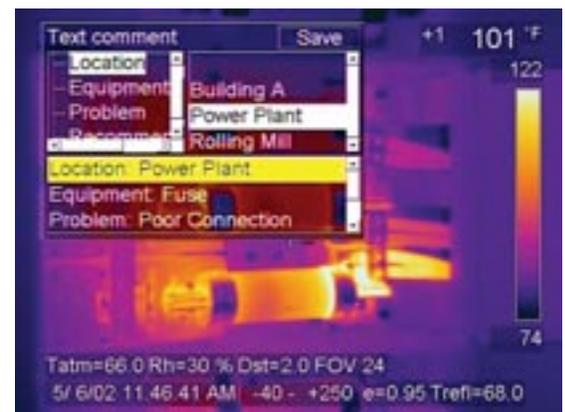
Finding and reporting problems has never been faster or easier, thanks to ThermoCAM® Reporter™— a powerful software application that makes creating professional, easy-to-interpret IR inspection reports a breeze. Information from ThermoCAM Reporter can then be automatically exported to ThermoCAM® DataBase, eliminating the need to tediously organize survey results and manually enter thermal data into an independent, stand-alone database. Which means you can spend more time in the field finding problems — and less time cutting and pasting.

1



Find, measure and diagnose the situation.

2



Use on-board software to make reporting a snap.

3



Capture your problem as a visual image.

ACME Power Infrared Survey Report

Location	Power Plant
Equipment	Fuse
Problem	Poor Connection
Recommendation	Repair 30 days

1 2 3

IR information

IR information	Value
Date of creation	05/06/02
Time of creation	11:46:41 AM
Camera type	ThermoCAM P60
Object parameter	Value
Emissivity	0.95
Ambient temperature	66.0 F
Label	Value
SPOT	101 F

4

4 Instant, automatic report generation.

Reporter software automatically generates comprehensive reports with images, measurements and text. No tedious data entry. No other IR system automatically generates reports for you.

Redefining the standard Not to mention the f



Detachable LCD and remote control allow you to view images and control functions while the camera is positioned in hard-to-reach areas—both indoors and outside.



User-friendly controls include innovative, durable joystick and three simple direct-access fingertip buttons

Microbolometer detector delivers exceptional sensitivity of 0.06 °C, extraordinary longwave imaging and measurement of any one of 76,000 pixels.

Ergonomic design weighs 30% less than other leading cameras.



Laser LocatIR™ pinpoints problems with just the push of a button.

s for infrared cameras. erm “fully loaded.”

Smart power management features include Li-Ion battery that can be charged in-camera, from vehicle, or from 2-bay battery charger.

System status LCD displays battery usage, storage capacity, communication status and more.

High resolution TFT color viewfinder ideal for outdoor use or when LCD is left behind.

Wireless IrDA communications interface for fast data transfer to any PC or PDA.



Fast access to composite and S-video connections.

Direct connection for in-camera battery charging.

Dual storage—Store JPEG images, measurements, voice and text on removable FLASH cards or in the camera's internal memory.



USB, RS 232 connections for fast downloads of 14-bit JPEG images with measurements.

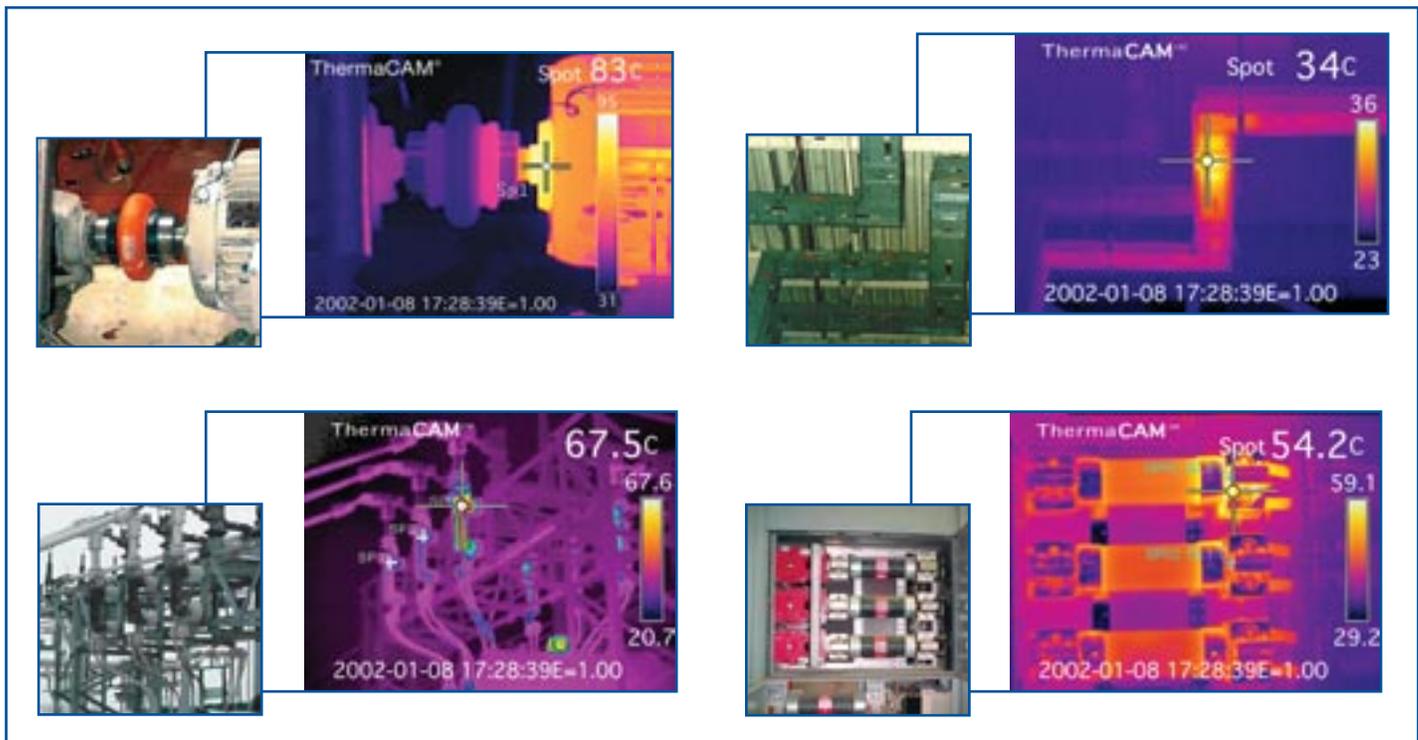
Headset connection allows in-field voice annotation (record up to 30 seconds for each image).

ThermaCAM[®] cameras pay for themselves over time. Usually, by lunch.

ThermaCAM infrared cameras have proven to be an invaluable resource to predictive maintenance professionals. With their ability to locate problems well in advance of failure, they deliver ROI with the very first shutdown they help you avoid. Here are just two examples of how ThermaCAM cameras have helped maintenance professionals:

A major steel company discovered a significant temperature rise in one of their 69 kV breakers. Undetected, the problem would have shut down the casters and cost the company \$50,000 per hour.

At a large public electric utility, a routine thermographic survey indicated one of the output capacitors of a station battery charger was considerably cooler than others. Replacement of the capacitor, found to be faulty, avoided an outage and saved an estimated \$500,000.



Put the ThermaCAM[®] P60 to work for you.

- Detect heat build-up on bus ducts.
- Safely and accurately inspect power lines.
- Quickly scan substations for critical problems.
- Find bad connections in distribution lines.
- Identify blocked transformer cooling fins.
- Locate failing lightning arrestors.
- Check for poor mechanical connections at fuse blocks.
- Discover insulator defects.
- Locate overheating in electrical panels.
- Detect short circuits within battery cells.
- Detect excessive temperature rise in bearing assemblies.
- Find loose connections.
- Inspect pumps, motors and conveyors.
- Inspect transformer bushings.
- Detect problems with oil filled & SF6 breakers.
- Work safely.

About FLIR Systems

With over 30 years experience and more than 30,000 of its IR cameras in use, FLIR is the undisputed global leader in infrared systems. From industrial to military applications, thermography professionals have made FLIR their number one choice. No other company offers such a wide range of infrared cameras, software, service, training and support.

FLIR's ThermoCAM series of thermal imaging cameras have long set the standard for thermographic testing and analysis. Today they are the most widely used non-contact temperature measurement infrared cameras in the world.



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FLIR Systems, Boston
Americas Thermography Center
16 Esquire Rd.
North Billerica, MA 01862
1-800-464-6372
1-978-901-8000

FLIR Systems, AB
Worldwide Thermography Center
Rinkebyvagen 19
SE-182 11
Danderyd, SWEDEN
+46 (0) 8 753 25 00

FLIR Systems, LTD
5230 South Service Rd., Suite 125
Burlington, ON L7L 5K2
CANADA
1-800-613-0507



To learn more about infrared cameras
or to attend a free infrared seminar:

Call: 1-800-GO-INFRA (1-800-464-6372)
1-978-901-8000

E-mail: moreinfo@flir.com

Web: www.flirthermography.com/p60

