FLUKE®

5 enhanced features of Fluke Professional Series infrared cameras

The Fluke Ti480, Ti450, Ti400 and Ti300 infrared cameras were recently fine-tuned to create the new PRO series (Ti480 PRO, Ti450 PRO, Ti400 PRO and Ti300 PRO). These tools make it easier for technicians, engineers, and electricians to get to root cause faster by identifying hot spots, cold spots, and apparent surface temperature differentials with a higher degree of confidence. Here are five upgraded features of Fluke Professional Series infrared cameras that can help your team quickly solve issues.

Figure 1. Screen comparison between Ti450 and Ti450 PRO

1. Increased sensor sensitivity

The additional sensitivity to the camera's internal sensor helps you capture smaller surface temperature differences, making it easier to visualize results. With the enhanced measurement accuracy and the wider dynamic temperature range of the Ti450 PRO–up to 1500 °C with NETD as low as 25 mK, you can collect precise information for making informed decisions that boost your company's return on investment (ROI).

2. Sharper images for diagnosing issues

Improvements to Fluke PRO firmware lead to sharper onscreen infrared images with clearer color differentiation, giving you a stronger visual indicator of temperature differentials. The PRO series infrared cameras show deviations from standard temperatures and relay issues to your team using multiple Delta-T (ΔT) markers. You'll spot and analyze temperature-related issues with more certainty.

3. Updated user interface

The improved, user-tested, touch screen interface of the Fluke PRO series is faster and easier to use than ever. The display integrates a contemporary design, featuring multiple rectangular markers in-camera. It helps your crew quickly identify min/max temperatures for an area of the equipment or equipment array. To further enhance the visual display, the cameras have a new palette and wider color array of yellows and greens to help distinguish heat differences.

4. More flexibility to visualize targets with smart lenses

Fluke Ti480 PRO, Ti450 PRO, Ti400 PRO and Ti300 PRO infrared cameras are now compatible with more Fluke infrared smart lenses. Whether the thermal inspection calls for macro, telephoto, or wide-angle, you can attach the appropriate lens to better capture your target. Fluke smart lenses are interchangeable between compatible cameras, without calibration.

5. Share thermal images with SmartView® and Fluke Connect®

With the improvements to the firmware and thermal sensitivity of PRO series infrared cameras, you are better prepared to create comprehensive and professional thermal inspection reports. SmartView gives thermal investigators a simple solution for viewing infrared images on their mobile devices or desktop computers. Fluke Connect offers an easy way to share thermal images where they can be viewed on a smartphone or tablet allowing team members to collaborate and analyze equipment status in real-time.

When it comes to infrared camera technology, advancements are typically not as dramatic as redesigning the entire tool. Sometimes, iterative changes to the visual display and software of professional grade infrared cameras can have a significant impact on ease of use, accuracy and reporting capabilities. With the Ti480 PRO, Ti450 PRO, Ti400 PRO and Ti300 PRO, you can continue to depend on Fluke infrared cameras for insightful thermal inspections.

A company's greatest investment is not the equipment that's behind the panel door; top priority is to offer the ultimate protection for the electricians, engineers and inspectors who risk their lives every day doing their jobs.

Maximize your thermal imaging camera with **Fluke infrared windows**. Now you can perform thermal inspections without opening a panel. Inspect equipment faster, more often and with improved safety.

Learn more at **fluke.com/irwindows**

Preventive maintenance simplified. Rework eliminated.

Save time and improve the reliability of your maintenance data by wirelessly syncing measurements using the Fluke Connect® system.

- Automatically sync with MATLAB® and LabVIEW® software for data analysis (Ti480 PRO)

- Eliminate data-entry errors by saving measurements directly from the tool and associating them with the work order, report or asset record

- Maximize uptime and make confident maintenance decisions with data you can trust and trace.

- Access baseline, historical and current measurements by asset

The Fluke PRO series infrared cameras are part of a growing system of connected test tools and equipment maintenance software.

Visit www.flukeconnect.com to learn more about the Fluke Connect® system.

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Smart phone wireless service and data plan not included with purchase. Fluke Connect is not available in all countries.