

# PRODUCT INTRODUCTION ANNOUNCEMENT



By: John Piperides

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## Fluke Ti32 and TiR32 Thermal Imagers and Accessories Public Embargo: 1<sup>st</sup> September 2009 Introducing a new line of Performance Thermal Imagers!

Higher performance thermal imagers have never been this affordable, this rugged, or this easy to use.... *Until now!*

Fluke is excited to announce the addition of two new, high-performance, thermal imagers to our portfolio of rugged, reliable, and easy to use imagers. The new Fluke Ti32 and TiR32 thermal imagers combine a powerful 320x240 FPA sensor with field upgradeable lenses, removable batteries, and many new features. Built on the award winning design of the Ti25 family, these new imagers deliver amazingly clear image quality in a package that will withstand the toughest environments. Intended for industrial and building diagnostic applications, the Ti32 and TiR32 will allow our customers to find, fix and prove problems and repairs fast. In these tough economic times, we all have to do more with less. These new imagers help our customers do exactly that.



### Customer Applications:

Who uses it?	Where is it used?
<ul style="list-style-type: none"> <li>▪ Maintenance professionals</li> <li>▪ Troubleshooting technicians</li> <li>▪ Preventative maintenance professionals</li> <li>▪ Predictive maintenance professionals</li> <li>▪ Industrial and commercial electricians</li> <li>▪ Commercial HVAC/R technicians</li> <li>▪ Facilities managers</li> <li>▪ Weatherization specialists</li> <li>▪ Energy auditors</li> <li>▪ Restoration and remediation professionals</li> </ul>	<ul style="list-style-type: none"> <li>▪ Industrial plants (manufacturing, process, petrochemical, etc)</li> <li>▪ Commercial buildings</li> <li>▪ Schools</li> <li>▪ Hospitals</li> <li>▪ Electrical and water utilities</li> <li>▪ Residential dwellings</li> </ul>

## Fluke Ti32 and TiR32 Features and Benefits:

- Award-winning Ti25/TiR1 design
- 320X240 FPA (60HZ and 9HZ versions)
- Industry-leading  $\leq 50\text{mK}$  thermal sensitivity (NETD) to see even the smallest temperature differences which could indicate a problem
- Expanded temperature measurement
  - Ti32:  $-20\text{ }^{\circ}\text{C}$  -  $+600\text{ }^{\circ}\text{C}$
  - TiR32:  $-20\text{ }^{\circ}\text{C}$  -  $+150\text{ }^{\circ}\text{C}$
- Two (2) replaceable, rechargeable Li-Ion batteries for extended use situations
- External charging bay or in-imager charging
- Field-installable optional telephoto and wide-angle lenses
- New features:
  - High temperature or dew point alarms
  - [IR Energy Attenuation](#) correction (Ideal for use with IR windows)
  - Better level/span adjustment
  - Thumbnail view memory
  - New display options
  - Ultra-Contrast™ palette options
  - .IS2, .BMP, and .JPG File formats on imager
  - Imager information
- Patented Fluke IR-Fusion® Technology both in camera and software combines visible (visual) image with IR image in full screen or picture-in-picture views for easy identification and reporting of problems
- Rugged and reliable: Engineered to withstand a 2 meter (6.56 feet) drop
- 640 x 480 large 3.6" diagonal color LCD display (landscape format)
- SmartView® analysis and reporting software (with free upgrades through life of product)
- Removable 2 GB SD memory card for easy storage and transfer of thermal and visible images
- Multi-function memory card reader
- Complete solution includes hardware and software to get you going
- Two-year warranty
- Extended service and warranty options

## Included Accessories (all models):

- SmartView® analysis and reporting software
- 2 GB SD memory card
- Multi-function card reader for downloading images into your computer
- Rugged hard carry case and portable soft carry case
- Hand strap, for right or left-handed use
- 2 Lithium Ion removable and rechargeable smart batteries
- AC charger/power supply and two-bay external charger with mains adapters
- Printed Users Manuals (16 languages)
- Interactive training DVD

## Basic Product Specifications for Ti32 and TiR32:

	Fluke Ti32	Fluke TiR32
Temperature measurement range (not calibrated below -10 °C)	-20 °C to +600 °C (-4 °F to +1112 °F)	-20 °C to +150 °C (-4 °F to +302 °F)
Temperature measurement accuracy	± 2 °C or 2 % (at 25 °C nominal, whichever is greater)	± 2 °C or 2 % (at 25 °C nominal, whichever is greater)
On-screen emissivity correction	Yes	Yes
On-screen reflected background temperature compensation	Yes	Yes
On-screen <a href="#">transmission</a> Should be <a href="#">transmissivity</a> correction	Yes	Yes
Image capture frequency	60HZ and 9HZ models	60HZ and 9HZ models
Detector type	320 X 240 Focal Plane Array, uncooled microbolometer	320 X 240 Focal Plane Array, uncooled microbolometer
Infrared spectral band	7.5 µm to 14 µm (long wave)	7.5 µm to 14 µm (long wave)
Thermal sensitivity (NETD)	≤ 0.05 °C at 30 °C target temp. (50 mK)	≤ 0.05 °C at 30 °C target temp. (50 mK)
File formats (on imager)	Non-radiometric (.bmp) or (.jpeg) or fully-radiometric (.is2)	Non-radiometric (.bmp) or (.jpeg) or fully-radiometric (.is2)
Memory review	Thumbnail view navigation and review selection	Thumbnail view navigation and review selection
Standard palettes	8	8
Ultra Contrast™ palettes	8	8
Fast auto toggle between manual and auto modes	Yes	Yes
Fast auto-rescale in manual mode	Yes	Yes
Minimum span (in manual mode)	2.5 °C (4.5 °F)	2.0 °C (3.6 °F)
Minimum span (in auto mode)	5 °C (9 °F)	3 °C (5.4 °F)
Color alarms (temperature alarms)	High-temperature alarm (user-selectable)	Dewpoint temperature alarm (user-selectable)
Batteries	Two lithium ion rechargeable smart battery packs	Two lithium ion rechargeable smart battery packs
Battery life	Four+ hours continuous use per battery pack (assumes 50 % brightness of LCD)	Four+ hours continuous use per battery pack (assumes 50 % brightness of LCD)
Drop Test	2 meter (6.5 feet) with standard lens	2 meter (6.5 feet) with standard lens
Size (H x W x L)	27.7 cm x 12.2 cm x 17.0 cm (10.9 in x 4.8 in x 6.7 in)	27.7 cm x 12.2 cm x 17.0 cm (10.9 in x 4.8 in x 6.7 in)
Weight (battery included)	1.05 kg (2.3 lb)	1.05 kg (2.3 lb)
Supported Languages	16	16

Note: for detailed specifications, please see Technical Data Sheets (3467124 and 3499890)

### Optional Accessories (all models):

- Thermal Imager Car Charger (TI-CAR CHARGER)
- Telephoto Infrared Lens (FLK-LENS/TELE1)
- Wide-angle Infrared Lens (FLK-LENS/WIDE1)
- Introduction to Thermography Principles Book (BOOK-ITP)
- Additional Smart Battery (FLK-TI-SBP3)
- Additional Smart Battery Charger (FLK-TI-SBC3)
- Thermal Imager Visor (FLK-TI-VISOR)
- Tripod Mounting Accessory (TI-TRIPOD, expected to be available 2009)

### Introduction Schedule Action and Key Dates:

September 1, 2009 PUBLIC EMBARGO

### Product Pricing and Ordering Information:

Fluke Model	Part Number	Product including packaging				Origin	Australian List Price Excluding GST
		Length	Width	Height	Weight		
FLK-Ti32 9HZ	3405726	39.4 cm (15.5 in)	21.6 cm (8.5 in)	27.9 cm (11.0 in)	4.3 kg (9.5 lbs)	USA	AUD15,995.00
FLK-Ti32 60HZ	3472360	39.4 cm (15.5 in)	21.6 cm (8.5 in)	27.9 cm (11.0 in)	4.3 kg (9.5 lbs)	USA	AUD15,995.00
FLK-TiR32 9HZ	3433301	39.4 cm (15.5 in)	21.6 cm (8.5 in)	27.9 cm (11.0 in)	4.3 kg (9.5 lbs)	USA	AUD15,995.00
FLK-TiR32 60HZ	3472372	39.4 cm (15.5 in)	21.6 cm (8.5 in)	27.9 cm (11.0 in)	4.3 kg (9.5 lbs)	USA	AUD15,995.00
FLK-LENS/TELE1	3441176	13.3 cm (5.25 in)	13.3 cm (5.25 in)	15.9 cm (6.25 in)	0.29 kg (0.64lbs)	USA	AUD1,800.00
FLK-LENS/WIDE1	3441183	13.3 cm (5.25 in)	13.3 cm (5.25 in)	15.9 cm (6.25 in)	0.32 kg (0.71lbs)	USA	AUD1,800.00
FLK-TI-SBP3	3440365	13.3 cm (5.25 in)	13.3 cm (5.25 in)	15.9 cm (6.25 in)	0.27 kg (0.60 lbs)	China	AUD250.00
FLK-TI-SBC3	3440352	13.3 cm (5.25 in)	13.3 cm (5.25 in)	15.9 cm (6.25 in)	0.57 kg (1.3 lbs)	China	AUD350.00

**Note: The Ti32 range is available in both 9Hz and 60Hz version.**

Fluke Australia will only stock 9Hz units, with the 60Hz units available on request. The delivery time of the higher frequency units is expected to be 4-6 weeks after receipt of all required information.

Fluke have to report semiannually to the Bureau of Industry and Security (US) by e-mail the name, address and telephone number of the exporter; the date of each export; the name, address and telephone number of the consignee or end user; the model number(s); the serial number of each exported camera that has a serial number; and the quantity of each model number of camera (above 9Hz) exported.

Hence all orders for cameras above 9Hz will not be shipped from the US, held in the factory, until all above information is provided for each unit.

Fluke Australia have a standard form which will assist in this.

**Please note this will extend delivery times.**

## Discount Schedule:

### Discount code – Registration

All sales of the Fluke TI32 / TIR32 will be subject to Fluke Australia's Registration program. This program will enable the distributor to have a high degree of confidence when presenting this range to a customer.

The terms and conditions of the Fluke Australia's Registration program will apply, please see your Account Manager for further details and discount rate.

## Demonstration Units:

Demonstration units will be eligible for the standard 40% demo discount. Limitations apply.

## Service Plan:

- Standard two year warranty
- Recommended Calibration Cycle: Two Years

## Fluke Partner Portal Information:

### Get the information you need to market and sell this tools instantly!

Download digital files from the Fluke Partner Portal, including:

- Technical data sheet PDF's
- Brochure PDF's
- Ad PDF's
- E-campaign assets
- Press release
- Photos

Available: 9/1/09

If you have not already registered for access to the Fluke Partner Portal, please go to <https://support.fluke.com> and select Partner Portal – Fluke Industrial Products from the pull down menu, then click register. Complete the registration form and submit it. Your submittal will be approved with 48 hours, at which time you will receive a confirming e-mail with a reminder of the user name and password you selected. Only Fluke distributors and sales staff, not end-user customers, may access the Fluke Partner Portal. Files will be available on September 1, 2009.

There is also a website for downloading some of the assets to assist you in selling these new products. Go to [www.fluke.com/tilaunch](http://www.fluke.com/tilaunch). This site will also include links to access the Fluke Partner Portal and the Fluke literature site to order printed materials.

**Fluke Sales Support Materials:**

ITEM	DESCRIPTION	LITERATURE NUMBER
Fluke Ti10/Ti25/Ti32 Technical Data sheet (PN: 3467124-electronic file only)	Specifications information	Available on the Partner Portal website
Fluke TiR/TiR1/TiR32 Technical Data sheet (PN: 3499890 -electronic file only)	Specifications information	Available on the Partner Portal website
Fluke IR-Fusion® Technical Data sheet (2680032-electronic file only)	Specifications information	Available on the Partner Portal website
Fluke SmartView® Technical Data sheet (2680044-electronic file only)	Specifications information	Available on the Partner Portal website
Fluke Ti4X/5X Technical Data sheet (2674273-electronic file only)	Specifications information	Available on the Partner Portal website
Fluke Ti10/Ti25/Ti32 Industrial Brochure (PN:2674264)	Brochure with market, application and product information	Available from Fluke literature or on the Partner Portal website
Fluke TiR/TiR1/TiR32 Building Diagnostics Brochure (PN: 2694792)	Brochure with market, application and product information	Available from Fluke literature or on the Partner Portal website
Fluke Ti4X/5X FlexCam Industrial Brochure (3086220)	Brochure with market, application and product information	Available from Fluke literature or on the Partner Portal website
Thermal Imaging Application Notes	Application note and case studies on thermal imaging (existing application note updates – New case studies in development)	Available on the Partner Portal website
Ti32/TiR32 Media Advertisements (Full page Industrial Ad – 3504149; Buildings Ad – 3504151; Restoration Ad - 3504160)	Media Advertisements, in various formats for use in trade publications	Available on the Partner Portal website
Ti32/TiR32 Banner ads and html email	Banner ads for distributor sites in various sizes, distributor co-branded html email and landing page samples	Available on the Partner Portal website
Emissivity Table chart pdf (3038318)	PDF with Emissivity values	Available on the Partner Portal website
Catalog Copy	Catalog Copy	Available on the Partner Portal website
Application Photography	Application photography showing the Ti32 and TiR32 in use	Available on the Partner Portal website
Product Photography	"Beauty shots" of the Ti32 and TiR32 showing the product from various perspectives	Available on the Partner Portal website
Thermal Imaging Selection Guide	Interactive Selection Guide that allows end-user to better choose the proper thermal imager for his/her applications and budget	Available on the Fluke website
FOV Calculator	Comprehensive Field of View Calculator that allows you to determine the FOV, IFOV, D:S and detection spot size information for your thermal imager based on your selections.	Available on the Fluke website or the Partner Portal website
Press Release	Press release	Available on the Partner Portal website
Thermal Imager Virtual Demo	Virtual Demo of Ti32 and TiR32	Available on the Fluke Website

## Fluke Introduces a New Version of the customer-preferred SmartView® Analysis and Reporting Software!

The powerful SmartView® thermal imaging software package just got better! New enhancements have extended the capabilities of this already popular and easy-to-use tool, which comes standard with each Fluke Thermal Imager. For applications ranging from troubleshooting to comprehensive predictive maintenance programs, or building diagnostic inspections, SmartView® 3.0 delivers the analysis and reporting functionality you need!

### SmartView® 3.0 Features and Benefits:

- **New industry specific report templates in compliance with standards**
  - Basic electromechanical template
  - Basic building diagnostic template
- **Enhanced Text Annotation Capabilities**
  - Automatic table population in reports
  - Standard and Metric unit specific text annotation files included
- **Keep your product updated with automatic web updates**
  - SmartView automatically checks for updates every time you start the application
  - Provide feedback to Fluke marketing and engineering personnel on recommendations for enhancements to existing features or to suggest new features that will increase your productivity

### Download location:

[www.fluke.com/tiswupdates](http://www.fluke.com/tiswupdates) (Requires product registration) Please bookmark this page!

Thank you for your time and attention. Please feel free to contact the Fluke Australia Team with any additional questions you have regarding the Ti32, TiR32, Ti Accessories, or SmartView Software 3.0.