Fluke Ti25 Specs Provided by www.AAATesters.com



Fluke Ti25, Ti10 and Ti9 Thermal Imagers

Technical Data

The ultimate tools for troubleshooting and maintenance

The perfect tools to add to your problem solving arsenal. Built for tough work environments, these high-performance, fully radiometric imagers are ideal for troubleshooting electrical installations, electro-mechanical equipment, process equipment, HVAC/R equipment and others.

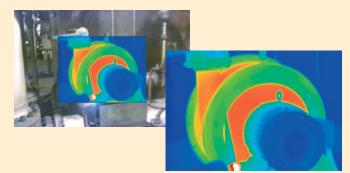
- Fluke Ti25 and Ti10 imagers come with enhanced problem detection and analysis capabilities with IR-Fusion® Technology. Simply scroll through the different viewing modes quickly to better identify trouble areas in Full IR thermal, picture-in-picture, or automatic blend visual and thermal images. Fluke Ti9 imagers can be upgraded to a full Ti10 with IR-Fusion at a later time.
- Optimized for field use in harsh work environments.
- Engineered and tested to withstand a 2 m (6.5 ft) drop-When was the last time you dropped a tool?
- Withstands dust and water-tested to an IP54 rating.
- Delivers the clear, crisp images needed to find problems fast.
- Identify even small temperature differences that could indicate problems with excellent thermal sensitivity (NETD).
- Intuitive, three-button menu is easy to use—simply navigate with the push of a thumb.
- No need to carry pen and paper—record findings by speaking into the camera. Voice annotations can be recorded with every image you take. Voice comments are saved along with individual images for future reference (Ti25 only).
- Everything needed to get started is included.
- Adjustable hand strap for left-or right-handed use.
- Manufactured in the U.S.A.



IR-Fusion[®] Technology

See things both ways—infrared and visual (visible light) images fused together communicating critical information faster and easier—traditional infrared images are no longer enough.

Fluke led the way in the development and use of IR-Fusion and the industry followed. Both visible and infrared images allow you to communicate exactly where potential savings can be gained. IR-Fusion is standard on Fluke Ti25 and Ti10 models.





Detailed specifications

	Ti25	Ti10	Ti9
Temperature			
Temperature measurement range (not calibrated below -10 °C)	-20 °C to +350 °C (-4 °F to + 662 °F)	-20 °C to +250 °C (-4 °F to + 482 °F)	
Accuracy	\pm 2 °C or 2 % (whichever is greater)	\pm 5 °C or 5 % (whichever is greater)	
On-screen emissivity correction	Yes	-	_
Imaging performance			
Field of view	23° x 17°		
Spatial resolution (IFOV)	2.5 r	nRad	
Minimum focus distance	Thermal lens: 15 cm (6 in Visible (visual) light lens: 46 cm		
Focus	Manual, one-	handed focus	
Image frequency	9 Hz refresh rate		
Detector type	160 X 120 focal plane array, uncooled microbolometer		
Infrared lens type	20 mm F =	= 0.8 lens	
Thermal sensitivity (NETD)	≤ 0.1 °C at 30 °C (100 mK)	≤ 0.2 °C at 30	0 °C (200 mK)
Infrared spectral band	7.5 µm t	o 14 µm	
Visual camera	640 x 480 resolution		
Image presentation			
Palettes	Ironbow, blue-red, high contrast, amber, hot metal, grey	Ironbow, blue-red, high contrast, grey	
Level and span	Smooth auto-scaling and manual scaling of level and span		
Minimum span (in manual mode)	2.5 °C (4.5 °F)	5 °C (9 °F)	
Minimum span (in auto mode)	5 °C (9 °F)	10 °C (18 °F)	
IR-Fusion® information	Full infrared with MAX, MID, or MIN automatic blending; and picture-in-picture with MAX, MID, or MIN automatic blending (Visual and IR blending)	Full infrared or picture-in-picture	No IR-Fusion. Full Infrared only. Ti9 models are upgrad- able to a full Ti 10 for an additional fee.*
Picture-In-Picture (PIP)	Three levels of on-screen IR blending displayed in center 320 x 240 pixels	100 % IR displayed in center 320 x 240 pixels	_
Full screen (PIP off)	Three levels of on-screen IR blending displayed in center 640 x 480 LCD	100 % IR displayed in center 640 x 480 LCD	
Voice annotation			
Voice annotation	60 seconds maximum recording time per image	_	
Image and data storage			
Storage medium	SD memory card (2 GB memory card will store at least 1200 fully radiometric (.is2) IR and linked visual images each with 60 seconds voice annotations or 3000 basic (.bmp) IR images)		
File formats	Non-radiometric (.bmp) or fully-radiometric (.is2). No analysis software required for .bmp files.		
Export file formats w/SmartView® software	JPEG, BMP, GIF, PNG, TIFF		

*Contact your Fluke sales representative for more information about upgrade options.



General specifications

Temperature	Operating: -10 °C to 50 °C (14 °F to 122 °F) Storage: -20 °C to +50 °C (-4 °F to 122 °F) without batteries	
Relative humidity	10 % to 90 % non-condensing	
Display	9.1 cm (3.6 in) diagonal landscape color VGA (640 x 480) LCD with backlight (selectable bright or auto)	
Controls and adjustments	User selectable temperature scale (°C/°F) Language selection Time/Date set Emissivity selection and Reflected Background Temperature Compensation (Ti25 only) User selectable Hot Spot and Cold Spot on the image (Ti25 only) Ti25 allows user to adjust palette, alpha blend, level, span, PIP, and emissivity on a captured image before it is stored.	
Software	SmartView [®] full analysis and reporting software included	
Power	Battery: Internal rechargeable battery pack (included) Battery life: Three to four hours continuous use (assumes 50 % brightness of LCD) Battery charge time using ac adapter/charger and dc car charger: Two hours for full charge	
AC operation/charging	AC adapter/charger (110 Vac to 220 Vac, 50 Hz to 60 Hz). Charges battery while imager is operating. Universal ac mains adapters included.	
Power saving	Sleep mode activated after 5 minutes of inactivity, automatic power off after 20 minutes of inactivity	
Safety standards	CE Directive: IEC/EN 61010-1 2nd Edition Pollution Degree 2	
Electromagnetic compatibility	EMC directive: EN61326-1 C-Tick: IEC/EN 61326 US FCC: CFR 47, Part 15 Class A	
Vibration	2 G, IEC 68-2-29	
Shock	25 G, IEC 68-2-29 (2 m or 6.5 ft drop, 6 sides)	
Dimensions (HxWxL)	0.27 m x 0.13 m x 0.15 m (10.5 in x 5 in x 6 in)	
Weight	1.2 kg (2.65 lb)	
IP rating	IP54	
Warranty	Two-years	
Calibration cycle	Two-years (assumes normal operation and normal aging)	
Supported languages	English, Italian, German, Spanish, French, Russian, Portuguese, Swedish, Turkish, Czech, Polish, Finnish, Simplified Chinese, Traditional Chinese, Korean, and Japanese	

Ordering information

FLK-Ti25 9HZ FLK-Ti10 9HZ FLK-Ti9 9HZ

Thermal Imager Thermal Imager Thermal Imager



Not all models available in all areas.

Included with product

Thermal imaging camera w/20 mm lens, ac power

supply/battery charger (including mains adapters), SD memory card, SD card reader (USB) for downloading images into your computer, SmartView® software with free software upgrades for life, rugged hard, carrying case, soft transport bag, hand strap, users manual, warranty registration card, interactive training DVD.

Optional accessories

FLK-TI-CHARGER Thermatic FLK-TI-VISOR Thermatic

Thermal Imager Car Charger Thermal Imager Visor Fluke. Not just infrared. Infrared you can use.™

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