Fluke Ti9 Specs Provided by www.AAATesters.com



Fluke Industrial/Commercial **Thermal Imagers**

Models: Ti25, Ti10 and Ti9

Technical Data

Competitor



image allows to you always know exactly what

you're looking at.

loads, overloaded systems, wiring mistakes or component failure, etc.



Detailed specifications

	Ti25	Ti10	Ti9	
Temperature			1	
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)	-20 °C to +250 °C (-4 °F to +482 °F)	
Temperature measurement accuracy	± 2 °C or 2 % (at 25 °C nominal, whichever is greater)		± 5 °C or 5 % (at 25 °C nominal, whichever is greater)	
On-screen emissivity correction	Yes, and in software	In softw	rare only	
On-screen reflected background temperature compensation	Yes, and in software			
Imaging performance	1			
Image capture frequency	9 Hz refresh rate			
Detector type	160 X 120 Focal Plane Array, uncooled microbolometer			
Thermal sensitivity (NETD)	≤ 0.09 °C at 30 °C target temp. (90 mK)	≤ 0.13 °C at 30 °C target temp. (130 mK)	≤ 0.20 °C at 30 °C target temp. (200 mK)	
Visual (visible light) camera	Industrial performa	nce 1.3 megapixels		
Minimum (visible light) focus distance	46 cm (approx. 18 in)		No visible camera	
Infrared field of view	23 ° x 17 °			
Spatial resolution (IFOV)	2.5 mRad			
Minimum infrared focus distance	15 cm (approx. 6 in)			
Focus mechanism	Manual, one-handed Smart Focus capability			
Image presentation				
Palettes				
Standard	Ironbow, Blue-Red, High Contrast, Amber, Hot Metal, Grayscale		Blue-Red, st, Grayscale	
Level and span	Smooth	auto-scaling and manual scaling of level ar	nd span	
Fast auto toggle between manual and auto modes	Yes		_	
Fast auto-rescale in manual mode	Yes –			
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)		(18 °F)	
IR-Fusion® information	· · · · · · · · · · · · · · · · · · ·	-		
Automatically aligned (parallax corrected) visual and IR blending	Yes		N. ID. P. '	
Picture-In-Picture (PIP)	Three levels of on-screen IR blending displayed in center of LCD (AutoBlend)	100 % IR displayed in center of LCD	- No IR-Fusion	
Full screen infrared	Three levels of on-screen IR blending displayed on LCD (AutoBlend)	100 % IR disp	R displayed on LCD	
Voice annotation	60 seconds maximum recording time per image; reviewable playback on imager	_	-	
Image capture and data storage				
	The Ti25 allows user to adjust palette, blending, level, span, IR-Fusion® mode, emissivity, and reflected background temperature compensation on a captured image before it is stored.	_	_	
Image capture, review, save mechanism	One-handed image capture, review, and save capability			
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 (when available), or 3000 basic bitmap (.bmp) images transferrable to PC via included multi-format USB card reader			
File formats	Non-radiometric (.bmp) or fully-radiometric (.is2) No analysis software required for non-radiometic bitmap (.bmp) files			
Export file formats w/SmartView® software	BMP, DIB, GIF, JPE, JFIF, JPEG, JPG, PNG, TIF, and TIFF			
Memory review	Sequential image navigation and review			



General specifications

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Operating temperature	-10 °C to +50 °C (14 °F to 122 °F)		
Storage temperature	-20 °C to +50 °C (-4 °F to 122 °F) without batteries		
Relative humidity	10 % to 95 % non-condensing		
Display	9.1 cm (3.7 in) diagonal landscape color VGA (640 x 480) LCD with backlight and clear protective cover		
Controls and adjustments	User selectable temperature scale (°C/°F)		
	Language selection		
	Time/Date set Emissivity selection (Ti25 only)		
	Reflected background temperature compensation (Ti25 only)		
	User selectable hot spot and cold spot, and center point on the image (Ti25 only) (other custom markers and shapes in SmartView®		
	software)		
	User selectable backlight: "Full Bright" or "Auto"		
Software	SmartView® full analysis and reporting software included		
Batteries	Internal rechargeable battery pack (included)		
Battery life	Three to four hours continuous use (assumes 50 % brightness of LCD)		
Battery charge time	2.5 hours to full charge		
AC battery charging	AC adapter/charger (110 V ac to 220 V ac, 50/60 Hz) (included), charges battery while imager is operating or turned off, ac mains		
	adapters included.		
AC operation	AC operation with included power supply (110 V ac to 220 V ac, 50/60 Hz). AC mains adapters included.		
Power saving	Sleep mode activated after five minutes of inactivity, automatic power off after 30 minutes of inactivity		
Safety standards	CSA (US and CAN): C22.2 No. 61010-1-04, UL: UL STD 61010-1 (2nd Edition), ISA: 82.02.01		
Electromagnetic compatibility	Meets all applicable requirements in EN61326-1:2006		
C Tick	IEC/EN 61326-1		
US FCC	CFR 47, Part 15 Class B		
Vibration	0.03 g2/Hz (3.8 grms), IEC 68-2-6		
Shock	25 g, EC 68-2-29		
Drop	2 meter (6.5 feet)		
Size (H x W x L)	26.7 cm x 12.7 cm x 15.2 cm (10.5 in x 5.0 in x 6.0 in)		
Weight (battery included)	1.2 kg (2.6 lb)		
Enclosure rating	IP54 (protected against dust, limited ingress; protection against water spray from all directions)		
Warranty	Two-years (standard)		
Recommended calibration cycle	Two-years (assumes normal operation and normal wear)		
Supported Languages	Czech, English, Finnish, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish,		
	Swedish, Traditional Chinese, and Turkish		

Ordering information

FLK-Ti25 9Hz Thermal Imager

FLK-Ti10 9Hz Thermal Imager FLK-Ti9 9Hz Thermal Imager

Included

Thermal imager, ac power supply/battery charger (including mains adapters); SD memory card; multi-format USB memory card reader for downloading images into your computer; SmartView® software with free software upgrades for life; rugged, hard carrying case; soft transport bag; adjustable hand strap; printed users manual; warranty registration card.

Optional accessories

TI-CAR-CHARGER Thermal Imager Vehicle Charger **TI-VISOR** Thermal Imager Visor **BOOK-ITP** Introduction to Thermography Principles Book **TI-TRIPOD** Tripod Mounting Base Accessory



Fluke. Not just infrared. Infrared you can use.™

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