

# Fluke TiS Building Diagnostic Thermal Imaging Scanner

FLUKE®



**New**

Fluke TiS

## Entry-level Thermal Imager

Fluke's entry level thermal imager for quick, easy, and accurate problem identification and troubleshooting designed specifically for the building inspection professional. Whether you are a building inspector, home inspector, electrician, energy auditor, HVAC, insulator, or windows installer the Fluke Thermal Imaging Scanner is the perfect tool to help you identify hidden building construction issues, find moisture intrusion, detect energy loss/missing insulation, and many basic electrical connection and load problems. Now Fluke quality, durability, and performance are available in a thermal imager engineered for the value-conscious building

professional. The Fluke TiS Thermal Imaging Scanner is the top-performing imager in its price class.

- Highest resolution (120x120) in price class
- Only imager in price class with versatile, manual focus
- Largest display size (3.7") in price class. 30 % larger than comparable imagers!
- Long battery life lasts ~4 hours
- Rugged body engineered to withstand 2 m drop test
- Award winning ergonomic design
- Easy to use—the TiS Thermal Imaging Scanner provides you with a basic, reliable solution for the building professional
- Trusted quality of Fluke brand

## Specifications

<b>Temperature</b>	
Temperature measurement range (not calibrated below -10 °C)	-20 °C to +100 °C
Temperature measurement accuracy	± 5 °C or 5 % (at 25 °C nominal, whichever is greater)
<b>Imaging performance</b>	
Image capture frequency	9 Hz refresh rate
Detector type	120 X 120 Focal Plane Array, uncooled microbolometer
Thermal sensitivity (NETD)	≤ 0.1 °C at 30 °C target temp. (100 mK)
Infrared spectral band	7.5 µm to 14 µm (long wave)
Standard infrared lens type	Field of view: 17° x 17°, Spatial resolution: (IFOV) 2.50 mRad, Minimum focus distance: 15 cm
<b>Image presentation</b>	
Palettes	Ironbow, Blue-Red, Grayscale
Level and span	Smooth auto-scaling and lock of level and span
Minimum span (in auto mode)	5 °C
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 images annotations, 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-radiometric 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
<b>Operating temperature</b>	
Operating temperature	-10 °C to +50 °C
Storage temperature	-20 °C to +50 °C without batteries
Relative humidity	10 % to 95 % non-condensing
Display	3.7" 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 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, IEC 68-2-29
Drop	2 meter
Size (H x W x L)	26.7 cm x 12.7 cm x 15.2 cm
Weight (battery included)	1.2 kg
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 aging)
Supported Languages	Czech, English, Finnish, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, and (Dutch and Hungarian in manual only)



Complete package

## Included Accessories

TiS Thermal Imaging Scanner with standard infrared lens ac power supply/battery charger (including mains adapters) SD memory card; multi-format USD 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 users manual on CD warranty registration card interactive training DVD

## Ordering Information

Fluke TiS 9Hz Thermal Imaging Scanner

## Recommended Accessories



Ti-Visor  
Thermal Imager Visor



Ti-Car Charger  
Thermal Imager  
Vehicle Charger



Ti-TRIPOD  
Tripod Mounting  
Base Accessories