

Fluke Ti400-60Hz Thermal Imager Tech Specs

Key Features	
IFOV (spatial resolution)	1.31 mRad
Detector resolution	320x240 (76,800 pixels)
Field of view	24 °H x 17 °V
Minimum focus distance	15 cm (approx. 6 in)
Optional lenses	Telephoto lens, wide angle lens
Focus system	LaserSharp® Auto Focus for consistently in-focus images, manual focus
Laser distance meter	Yes
Wireless connectivity	Fluke Connect™ app compatible. Wireless connectivity to PC, iPhone® and iPad® (iOS 4s and later), Android™ 4.3 and up, and WiFi to LAN ¹
IR-Fusion® technology	IR-Fusion® AutoBlend™ mode and Picture-in-Picture
Display	Touchscreen capacitive 3.5 inch diagonal landscape color VGA (640 x 480) LCD with backlight
Design	Rugged, ergonomic design for one-handed use
Thermal sensitivity (NETD)	≤ 0.05 °C at 30 °C target temp (50 mK)
Temperature measurement range	-20 °C to +1200 °C (-4 °F to +2192 °F)
Built-in digital camera (visible light)	5 megapixel industrial performance
Frame rate	60 Hz or 9 Hz versions
Data Storage and Image Capture	
Extensive memory options	Removable micro SD memory card, on-board flash memory, save-to-USB capability, direct download via USB-to-PC connection
File formats image	Non-radiometric (.bmp) or (.jpeg) or fully-radiometric (.is2)
SmartView® software	No analysis software required for non-radiometric (.bmp, .jpg and .avi) files SmartView® software, Fluke Connect™ ¹ , and SmartView® Mobile App—full analysis and reporting software
Voice annotation	60 seconds maximum recording time per image; reviewable playback on camera
IR-PhotoNotes™	Yes
Text annotation	Yes
Video recording	Standard and radiometric
Streaming video (remote display)	Via USB or WiFi hot spot to PC or via HDMI to HDMI compatible screen
Auto capture (temperature and interval)	Yes
Remote control	Yes
Battery	
Batteries (field-replaceable, rechargeable)	Two lithium ion smart battery packs with five-segment LED display to show charge level
AC battery charging system	Two-bay battery charger or in imager charging. Optional 12 V automotive charging adapter
Temperature Measurement	

Accuracy	± 2 °C or 2 % (at 25 °C nominal, whichever is greater)
On-screen emissivity correction	Yes (both value and table)
On-screen reflected background temperature compensation	Yes
On-screen transmission correction	Yes
General Specifications	
Color palettes	8 standard and 8 Ultra Contrast™: Ironbow, Blue-Red, High Contrast, Amber, Amber Inverted, Hot Metal, Grayscale, Grayscale Inverted
Color alarms (temperature alarms)	High-temperature, low-temperature, and isotherm
Spot temp	Hot and cold spot markers
User-definable spot markers	3 user definable spot markers on camera and in SmartView® software
Center box	Expandable-contractible measurement box with MIN-MAX-AVG temp
Drop	Engineered to withstand 2 meter (6.5 feet) drop with standard lens
Size (H x W x L)	27.7 cm x 12.2 cm x 16.7 cm (10.9 in x 4.8 in x 6.5 in)
Weight (battery included)	1.04 Kg (2.3 lb)
Enclosure rating	IP54 (protected against dust, limited ingress; protection against water spray from all directions)
Warranty	Two-years (standard), extended warranties are available

