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Fluke Ti30 Thermal Imager

Specifications

Thermal Specs	Temperature Range: -10° to 250°C (14° to 482°F) Detector type: 120 x160 thermal element focal plane array (FPA) uncooled microbolometer Accuracy: ±2% or ±2°C Accuracy (from -10 to 0 C): +/- 3°C Repeatability: ±1% or ±1°C (±2°F) whichever is greater NETD: 200 mK Temperature Indication Resolution: 0.1 (°F or °C)
Optical/IR	Spectral Range: 7-14 microns Target Sighting: Single Laser Dot (Meets IEC Class 2 & FDA Class II requirements) Optical Resolution: 90:1 Slit Response Optical Resolution: 225:1 Minimum Diameter Measurement: 7mm (0.27") at 61cm (24") Spot: Image Frame Rate: 9 Hz (20 Hz for USA and Canada) Field of view (FOV): 17° Horizontal x 12.8° Vertical Instantaneous Field of view (IFOV): 1.9mrad
Controls	Focus: Focusable, 61cm (24") to infinity Temperature Scale: °C or °F selectable Palettes: Gray, Ironbow or Rainbow selectable Measurement Modes: Automatic, Semi-Automatic, or Manual selectable Laser On/Off: included Gain Control: included Level Control: included LCD Backlight: Bright, Dim, Off selectable
Operational	Adjustable Emissivity: 0.10 to 1.00 by 0.01 Liquid Crystal Display: TFT technology—optimized for both indoor and outdoor use, 59mm (2.3 in) x 54mm (2.1 in) Reflected Background Temperature: -50 to 460°C (-58 to 860°F) Ambient Operating Temperature: -10 to 50°C (14 to 122°F) Relative Humidity: 10 to 90% Non-condensing Storage Temperature: -25 to 70°C (-13 to 158°F) [without batteries] Storage Capacity: 100 images Laser On Icon: included Low Battery Icon: included Palette Icon: included Measurement Mode Icon: included Thermal Analysis Software: InsideIR (included) PC Software Operating Systems: Microsoft® Windows® 98®, Windows 2000®, or Windows XP®
Electrical	Power: 6 AA batteries (not included) or rechargeable battery pack (included) Battery Life: Min. 5 hours continuous use Data Transfer: USB interface, total transfer time 30s for 100 pictures Storage Device: Flash Memory

Other	Tripod Mount (6.35 mm (1/4) 20 unc threading)	
	Weight (includes batteries):	1 kg (2.2 lb)
	Drop Test Results:	0.5 m (20 in.)
	Warranty:	1 year (U.S. only - warranty duration may vary by country)
	Manufacturing site:	Made in U.S.A.
	Shock:	30G, IEC 68-2-29
	Vibration:	2.5G, IEC 68-2-6
	EMC:	EN 61326-1

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