

FLUKE®



Ti20 Thermal Imager

Breakthrough performance for industrial maintenance applications

- Instantly provides non contact temperature images to quickly determine hot spots
- Fully radiometric for detailed temperature analysis and tracking of critical components
- Measures up to 350°C to cover a broad range of industrial applications
- Complete solution with InsideIR software for analysis, reporting and routing
- Large color LCD displays uncluttered image with data and routing instructions

High performance, designed for industrial use

- Uses revolutionary detector technology to provide a clear thermal image with accurate temperature measurements up to 350°C
- Protected against dust and moisture (IP54 rated) to withstand harsh industrial environments
- Provides 3 hours continuous operation per battery charge

Easy to use

- Fits comfortably in the hand thanks to weight-balanced design
- Facilitates one-handed point-, shoot- and image capture operation
- Assists fast inspections with clear on-screen step-by-step routing instructions

Complete solution offering lowest cost of ownership

- Includes InsideIR software for unlimited use by every member of the maintenance team without additional license fees
- Comes complete with all necessary accessories and professional application training material to ensure a fast return on investment



Cooling pump running at operating temperature.



Temperature difference between phases indicates an unbalanced load.

Fluke Ti20 Specifications

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Detector	
Detector Type:	128 x 96 uncooled focal plane array
NETD (Thermal Sensitivity):	200 mK
Thermal	
Temperature Range:	-10 to 350 °C (14 to 662 °F)
Accuracy:	± 2 °C or 2% (whichever is greater)
Optical	
Field of View (FOV)	20° horizontal by 15° vertical
Optical resolution (D:S)	75:1 or better
Target Sighting	Single laser (IEC & FDA Class II)
Controls and Adjustments	
Focus	61 cm (24 in.) to infinity
Temperature Scale	°C or °F selectable
Palettes	Grayscale, reverse grayscale, rainbow, ironbow
Measurement Modes	Auto and manual level and span adjustment
LCD Backlight	Bright, dim selectable
Adjustable Emissivity	0.10 to 1.00 in 0.01 increments
Adjustable reflected background temperature	-50 to 460 °C
Environmental	
Ambient Operating Temperature	0 to 50 °C
Relative Humidity	10 to 95% non-condensing
Storage Temperature	-25 to 70 °C
Water and dust resistant	IP 54
Other	
Display	Large color LCD
Storage capacity	50 images stored internally
Power	Rechargeable battery pack
Battery life	Three hours continuous use
Image frame rate	9 Hz
Thermal analysis software	InsideIR (included) full featured analysis and reporting software (unlimited use; no per user license fees)
Size (HxWxD)	254 x 102 x 178 mm
Weight	1.2 kg
Warranty:	1 year

Included accessories

- Unlimited use InsideIR PC software for data storage, analysis and reporting
- AC power adapter
- USB communication cable
- Hard carrying case
- Soft-sided carrying case
- Wrist strap
- 2 Rechargeable battery packs
- 1 AA battery case
- Interactive CD with training materials
- Getting Started Guide
- Software and Manual CD

Ordering information

Ti20 Thermal Imager



The Fluke Ti20 comes as a complete package

Fluke. *Keeping your world up and running.*

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