Fluke Ti95 Specs Provided by www.AAATesters.com

FLUKE®

Ti125, Ti110, Ti105, Ti100, Ti95, Ti90, TiR125, TiR110 and TiR105 Infrared Cameras

The Fluke Performance Series



SUPERIOR IMAGE QUALITY

SPATIAL RESOLUTION

Ti125, Ti110, Ti105, Ti100 *3.39 mRad*

Ti95, Ti90 5.6 mRad

RESOLUTION

Ti125, Ti110, Ti105, Ti100 *160x120 (19,200 pixels)*

Ti95

80x80 (6,400 pixels)

Ti90

80x60 (4,800 pixels)

FIELD OF VIEW

Ti125, **Ti110**, **Ti105**, **Ti100** *22.5* °H x 31 °V

Ti95

26 °H x 26 °V

Ti90

19.5 °H x 26 °V

EXTENSIVE SD MEMORY SYSTEM

Removable SD memory card and wireless SD Card (where available)

Technical Data



Now compatible with Fluke Connect™ Mobile App¹

Fluke Infrared Cameras Experience. Performance. Confidence.

The Fluke Performance Series Infrared Cameras can save you time and money by finding potential problems before they become costly failures.

- Fluke Connect[™] ShareLive[™] video call lets you collaborate
 with others, so they see what you see. Get approvals without leaving
 the field¹
- Precisely blended visual and infrared images with crucial details to assist in identifying potential problems IR-Fusion[®] technology with AutoBlend[™] mode²
- Easily see potential problems with the large 3.5 inch LCD, a full 32 % larger than many competitive models
- Automatically focus from 1.2 m (4 ft) and beyond with IR-OptiFlex™ Focus System and as close as 15 cm (6 in) in manual mode²
- Building diagnostic models get 20% better thermal sensitivity (80 mK) with a lower temperature range with TiR models (TiR125, TiR110, TiR105) compared to standard Ti125, Ti110 and Ti105 models

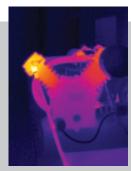
IR-Fusion® Technology with AutoBlend™ Mode



Precisely blended visual and infrared images with crucial details to assist in identifying potential problems.



Air Compressor -Full Visible



Air Compressor -Full Infrared



Air Compressor – AutoBlend™ Mode

 1 Within your provider's wireless service area; Fluke Connect™ is not available in all countries. 2 Included features vary by model; see table for model specifications.

Detailed specifications



| | Ti125/TiR125 | Ti110/TiR110 | Ti105/TiR105 | Ti100 | Ti95 | Ti90 | | | |
|---|---|--|------------------------------|--|--|-------------------------|--|--|--|
| Key features | | | | | | | | | |
| IFOV (spatial resolution) | 3.39 mRad | | | | 5.6 mRad | | | | |
| Detector resolution | 160x120 (19,200 pixels) | | | | 80x80 (6,400 pixels) | 80x60 (4,800 pixels) | | | |
| Field of view | 22.5 °H x 31 °V | | | | 26 °H x 26 °V | 19.5 °H x 26 °V | | | |
| Wireless connectivity | | | Ye | es | | | | | |
| Fluke Connect $^{\text{\tiny{TM}}}$ app compatible | Yes, with included wireless SD card (where available) | | | | | | | | |
| CNX™ Wireless System | Yes (where available) | | | | | | | | |
| IR-Fusion [®] technology | | | | | | | | | |
| AutoBlend™ mode | Mid IR and Min IR Mid IR | | | | _ | | | | |
| Picture-In-Picture (PIP) | Max IR PIP, Mid IR PIP, Min IR PIP | | Max IR PIP, Mid IR PIP | _ | Max IR PIP | _ | | | |
| Focus system | IR-OptiFlex™ focus system Minimum focus distance, 15 cm (6 in) | | Fixed Minimum focus dista | focus ance, 122 cm (48 in) | Fixed focus Minimum focus distance, 46 cm (18 in) | | | | |
| Ruggedized display | 3.5 inch diagonal (portrait format) | | | | | | | | |
| Rugged, ergonomic design for one-handed use | | | Ye | es | | | | | |
| Thermal sensitivity (NETD) | Standard models: ≤ 0.10 °C at 30°C target temp (100 mK) TiR models: ≤ 0.08 °C at 30 °C target temp (80 mK) | | | ≤ 0.10 °C at 30 °C target temp (100 mK) ≤ 0.10 °C at 30 °C target temp (150 mK) | | | | | |
| Temperature measurement range (not calibrated below -10 °C) | Ti125:-20 °C to +350 °C (-4 °F to +662 °F) TiR125: -20 °C to +150 °C (-4 °F to +302 °F) TiR110 and Ti105: -20 °C to +250 °C (-4 °F to +482 °F) TiR110 and TiR105: -20 °C to +150 °C (-4 °F to +302 °F) | | | -20 °C to +250 °C (-4 °F to +482 °F) | | | | | |
| Level and span | Smooth auto and manual scaling | | | | | | | | |
| Fast auto toggle between manual and auto modes | Yes | | | | | | | | |
| Fast auto-rescale in manual mode | Yes | | | | | | | | |
| Minimum span (in manual mode) | 2.5 °C | | | | | | | | |
| Minimum span (in auto mode) | 5 °C | | | | | | | | |
| Built-in digital camera (visible light) | 2 meç | apixel industrial perfor | mance | None - IR Only | 2 megapixel indu | strial performance | | | |
| Frame rate | 30 Hz or 9 | Hz versions (TiR models | : 9 Hz only) | 9 Hz only | | | | | |
| Laser pointer | | Y | | _ | | | | | |
| LED light (torch) | Yes - | | | | | | | | |
| Data storage and image capture | | | | | | | | | |
| Extensive SD memory system | Removal | ole SD memory card and | wireless SD card (when | re available); direct dow | nload via USB-to-PC co | onnection | | | |
| Image capture, review, save mechanism | One-handed image capture, review, and save capability | | | | | | | | |
| File formats image | Non-radiometric (.bmp) or (.jpeg) or fully-radiometric (.is2); No analysis software required for non-radiometric (.bmp, .jpg) files | | | | | | | | |
| Memory review | Thumbnail view navigation and review selection | | | | | | | | |
| Software | SmartView [®] software, Fluke Connect™ (where available), and SmartView [®] Mobile App—full analysis and reporting software | | | | | | | | |
| Export file formats with SmartView* software | BMP, DIB, GIF, JPE, JFIF, JPEG, JPG, PNG, TIF, and TIFF | | | | | | | | |
| Voice annotation | | m recording time per playback on camera | | | | | | | |
| IR-PhotoNotes™ | Yes (3 images) | | | _ | | | | | |
| Standard video recording | Yes (AVI with MPEG encoding, up to 5 minutes) | | | - | | | | | |
| Radiometric video recording | Yes | | | _ | | | | | |
| File formats video | Non-radiometric (MPEG - encoded .AVI) and fully- radiometric (.IS3) | Non-radiometric (MPEG - encoded .AVI) | - | | | | | | |
| Streaming video (remote display) | Streaming via USB to PC | | | - | | | | | |
| Battery | | | | | | | | | |
| Batteries (field-replaceable, rechargeable) | Two lithium ion smart battery packs with five-segment LED display to show charge level | pattery packs ve-segment one lithium ion smart battery pack with five-segment LED display to show charge level splay to show | | | | | | | |
| Battery life | Fo | our+ hours continuous u | se per battery pack (ass | umes 50 % brightness | of LCD and average usag | ge) | | | |

Detailed specifications



| | Ti125/TiR125 | Ti110/TiR110 | Ti105/TiR105 | Ti100 | Ti95 | Ti90 | | | | |
|--|--|---|---|--|--|------------------------------------|--|--|--|--|
| Battery | | | | | | | | | | |
| Battery charge time | 2.5 hours to full charge | | | | | | | | | |
| Battery charging system | Two-bay battery charger or in- imager charging. Optional 12 V automotive charging adapter | In-imager charging. Optional two-bay battery charger or optional 12 V automotive charging adapter | | | | | | | | |
| AC operation | | AC operation | with included power suj | pply (100 V AC to 240 V | AC, 50/60 Hz) | | | | | |
| Power saving | User selectable sleep and power off modes | | | | | | | | | |
| 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 | Ye | es | - | | | | | | | |
| Color palettes | | | | | | | | | | |
| Standard palettes | | bow, Blue-Red, High-Co ed, Hot Metal, Grayscal | | 4: Ironbow, Blue-Red, Amber, Grayscale | 6: Ironbow, Blue- Red, High-Contrast, Amber, Hot Metal, Grayscale | 3: Ironbow, Blue-Red, Grayscale | | | | |
| Ultra Contrast™ palettes | 8: Ironbow Ultra, Blue-Red Ultra, High-Contrast Ultra, Amber Ultra, Amber Inverted Ultra, Hot Metal Ultra, Grayscale Ultra, Grayscale Inverted Ultra | 3: Ironbow Ultra, Blue-Red Ultra, Grayscale Ultra | | _ | | | | | | |
| General specifications | | | | | | | | | | |
| Color alarms (temperature alarms) | High temperature, low temperature, isotherm | High temperature, low temperature | High temperature | _ | | | | | | |
| Infrared spectral band | | 7.5 µm to 14 µ | 7.5 μ m to 14 μ m (long wave) 9 μ m to 15 μ m (long wave) | | | | | | | |
| Operating temperature | -10 °C to +50 °C (14 °F to 122 °F) | | | | | | | | | |
| Storage temperature | | | -20 °C to +50 °C | (-4 °F to 122 °F) | | | | | | |
| Relative humidity | 10 % to 95 %, non-condensing | | | | | | | | | |
| Center-point temperature measurement | | | Ye | es | | | | | | |
| Spot temperature | Hot and cold spot markers | | | | Hot and cold spot markers | _ | | | | |
| User-definable spot markers | 3 user definabl | e spot markers | _ T | Т | | | | | | |
| Center box | Expandable-contractible measurement box with MIN-MAX-AVG temp | | | | Fixed-size measure- ment box with MIN-MAX-AVG temp | _ | | | | |
| Safety standards | CSA: C22.2 No. 61010-1-04, UL: UL STD 61010-1 (2nd Edition), ISA: 82.02.01 | | | | | | | | | |
| Electromagnetic compatibility | EN 61326-1:2006 IEC 61326-1:2005 | | | | | | | | | |
| C Tick | IEC/EN 61326-1 | | | | | | | | | |
| US FCC | EN61326-1; FCC Part 5 | | | | | | | | | |
| Vibration | 2G, IEC 68-2-6 | | | | | | | | | |
| | | | 25G, IEC | 68-2-29 | | | | | | |
| Shock | Engineered to withstand 2 meter (6.5 feet) drop | | | | | | | | | |
| Shock Drop | | 28.4 cm x 8.6 cm x 13.5 cm (11.2 in x 3.4 in x 5.3 in) | | | | | | | | |
| | | 28 | 3.4 cm x 8.6 cm x 13.5 ci | m (11.2 ln x 3.4 ln x 5.3 | in) | | | | | |
| Drop | | 28 | 0.73 kg | | 111) | | | | | |
| Drop Size (H x W x L) | I | | 0.73 kg | (1.6 lb) | spray from all directions | 3) | | | | |
| Drop Size (H x W x L) Weight (battery included) | I | P54 (protected against | 0.73 kg | (1.6 lb) otection against water | spray from all directions | s) | | | | |
| Drop Size (H x W x L) Weight (battery included) Enclosure rating | I | P54 (protected against | 0.73 kg dust, limited ingress; pr | (1.6 lb) otection against water ded warranties are ava | spray from all directions | 5) | | | | |

Note: Specifications are based on models with serial number starting with 1406 or later. Specifications may differ on earlier models.



Ordering information

FLK-Ti125 30HZ Industrial-Commercial Thermal Imager FLK-Ti125 9HZ Industrial-Commercial Thermal Imager FLK-Ti110 30HZ Industrial-Commercial Thermal Imager FLK-Ti110 9HZ Industrial-Commercial Thermal Imager FLK-Ti105 30Hz Industrial-Commercial Thermal Imager FLK-Ti105 9HZ Industrial-Commercial Thermal Imager FLK-Ti100 9HZ General Use Thermal Imager FLK-Ti95 9HZ General Use Thermal Imager FLK-Ti90 9HZ General Use Thermal Imager FLK-TiR125 9HZ Building Diagnostics Thermal Imager FLK-TiR110 9HZ Building Diagnostics Thermal Imager FLK-TiR105 9HZ Building Diagnostics Thermal Imager

Included with product

Thermal imagers are shipped with ac power adapter, universal AC adapters, lithium ion smart battery (Ti125 includes 2 each-other models 1 each), USB cable, SD memory card, Fluke Connect™ wireless SD card (wherever Fluke Connect™ is available), hard carrying case (Ti125, Ti110, Ti105, Ti100 only), soft transport bag, and adjustable hand strap (except Ti90). The users manual and SmartView® software in supported languages are available for free download from Fluke. com. Ti125 models also include a two-bay battery charger and a multi-format USB memory card reader.

Optional

FLK-FC-SD 8GB Fluke Connect Wireless SD Card FLK-TI-VISOR2 Sun Visor FLK-TI-TRIPOD2 Tripod Mounting Accessory **BOOK-ITP** Introduction to Thermography Principles Book FLK-TI-SBP3 Additional Smart Battery FLK-TI-SBC3 Additional Smart Battery Charger TI-CAR CHARGER Car Charger

Fluke Connect Kits

FLK-TI125 30HZ/FCB Ti125 Thermal Imager, (3) a3001 FC iFlex Modules, 805 FC FLK-TI105 30HZ/FCA Ti105 Thermal Imager, 3000 FC DMM, a3001 FC iFlex Module FLK-TI95 9HZ/FCA Ti95 Thermal Imager, 3000 FC DMM, a3001 FC iFlex Module FLK-T195 9HZ/FCC Ti95 Thermal Imager, (1) a3001 FC iFlex Module

Fluke Connect modules

FLK-a3000 FC AC Current Clamp Module FLK-a3001 FC iFlex™ AC Current Clamp Module FLK-a3002 FC AC/DC Current Module FLK-v3000 FC AC Voltage Module FLK-v3001 FC DC Voltage Module FLK-t3000 FC K-Type Temperature Module

RF connection time (binding time) may take up to 1 minute.



See it. Save it. Share it. All the facts, right in the field.

Fluke Connect™ with ShareLive™ video call is the only wireless measurement system that lets you stay in contact with your entire team without leaving the field. The Fluke Connect™ mobile app is available for Android™ (4.3 and up) and iOS (4s and later) and works with over 20 different Fluke products-the largest system of connected test tools in the world. And more are on the way. Go to the Fluke website to find out more.

Download the app at:





Smart phone wireless service and data plan not included with purchase.



For a high performance, feature rich infrared camera that produces consistently in-focus images with a touch of a button EVERY, SINGLE, TIME, consider the Professional Series with LaserSharp® Auto Focus.

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