



# Ti95 Fluke Connect FCC Kit

## Fluke Ti95 Infrared Camera

### Key Features

IFOV (spatial resolution)	5.6 mRad
Resolution	80x80 (6,400 pixels)
Field of view	26°H x 26°V
Wireless connectivity	Yes
Fluke Connect™ app compatible	Yes, with included wireless SD card (where available)
IR-Fusion® technology	PIP (46 cm (18 in) and beyond)
Focus system	Fixed focus 46 cm (18 in) and beyond
Ruggedized display	3.5 inch diagonal (portrait format)
Rugged, ergonomic design for one-handed use	Yes
Thermal sensitivity (NETD)	≤ 0.10°C at 30°C target temp (100 mK)
Temperature measurement range (not calibrated below -10°C)	-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 megapixel industrial performance
Frame rate	9 Hz only
Data Storage and Image Capture	
Extensive SD memory system	Removable 8 GB SD memory card and 8 GB wireless SD card (where available) Direct download via USB-to-PC connection
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™, 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
Battery	
Batteries (field-replaceable, rechargeable)	One lithium ion smart battery pack with five-segment LED display to show charge level
Battery life	Four+ hours continuous use per battery pack (assumes 50% brightness of LCD and average usage)
Battery charge time	2.5 hours to full charge
AC battery charging system	In-imager charging. AC mains adapters included in 9 Hz versions. Optional two-bay AC battery charger (110 V AC to 220 V AC, 50/60 Hz) or optional 12 V automotive charging adapter.
AC operation	AC operation with included power supply (110 V AC to 220 V AC, 50/60 Hz). AC mains adapters included.
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 number and table)
On-screen reflected background temperature compensation	Yes
Color Palettes	
Standard palettes	6: Ironbow, blue-red, high-contrast, amber, hot metal, grayscale
General Specifications	
Infrared spectral band	9 µm to 15 µm (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	Yes
Spot markers	Hot and cold spot markers
Center box (MIN-MAX-AVG)	Fixed-size measurement box with MIN-MAX-AVG temp
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	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
Shock	25G, IEC 68-2-29
Drop	Engineered to withstand 2 meter (6.5 feet) drop
Size (H x W x L)	28.4 cm x 8.6 cm x 13.5 cm (11.2 in x 3.4 in x 5.3 in)
Weight (battery included)	0.726 kg (1.6 lb)
Enclosure rating	IP54 (protected against dust, limited ingress; protection against water spray from all directions)
Warranty	Two-years (standard), extended warranties are available
Recommended calibration cycle	Two-years (assumes normal operation and normal aging)
Supported languages	Czech, Dutch, English, Finnish, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, and Turkish

### Fluke a3001 FC Wireless iFlex® AC Current Module

#### Specifications

Range	0.5 A to 2500 A AC	
Resolution	0.1 A	
Accuracy	3 % ± 5 digits (5 Hz to 500 Hz)	
Crest factor (50 Hz/60 Hz)	3.0 at 1100 A	
	2.5 at 1400 A	
	1.42 at 2500 A	
	add 2 % for C.F. > 2	
LCD w/backlight	3½ digits	
Log rate/interval	1 sec minimum/adjustable by PC or front panel	
Battery type	2 AA, NEDA 15 A, IEC LR6	
Battery life	400 hours	
Memory	Record up to 65,000 readings	
RF communications	2.4 GHZ ISM Band	
RF communication range	<b>Open air, unobstructed</b>	Up to 20 m
	Obstructed, sheetrock wall	Up to 6.5 m
	Obstructed, concrete wall or steel electrical enclosure	Up to 3.5 m
Operating temperature	-10 °C to +50 °C	
Storage temperature	-40 °C to +60 °C	
Temperature coefficient	Add 0.1 X (specified accuracy) / °C (<18 °C or >28 °C)	
Operating humidity	90 % at 35 °C	
	75 % at 40 °C	

	45 % at 50 °C	
Altitude	<b>Operating</b>	2,000 m
	Storage	12,000 m
EMC	EN 61326-1:2006	
Safety compliance	IEC 61010-1, 600 V CAT IV/1000 V CAT III, 3rd edition	
Safety rating	CAT IV 600 V, CAT III 1000 V	
Certifications	CSA, CE, FCC: T68-FBLE IC: 6627A-FBLE	
Ingress Protection (IP) rating	IP42	
Pollution Degree	2	
Jaw opening	25.4 cm (10 in) coil	
Size (HxWxD)	16.5 cm x 6.35 cm x 1.4 cm (6.5 in x 2.5 in x 1.4 in)	
Weight	.22 kg (8 oz)	
Note: Not compatible with Fluke CNX test tools		