

Ti400, Ti300 and Ti200 Advanced Performance Infrared Cameras

Technical Data

A new generation of tools with next generation performance.

This trio of new Fluke infrared cameras is equipped with LaserSharp™ Auto Focus. Yes, there are other auto focus systems on the market but Fluke took it one step further so you get in-focused images, Every. Single. Time. Every infrared camera user knows that focus is the single most important thing to ensure when conducting an infrared inspection. Without an in-focus image temperature measurements may not be accurate and it's much easier to miss a problem. LaserSharp auto focus tells you exactly where you are focusing. It uses a laser to calculate the distance to your target before it focuses. Place the red laser dot on the object you are inspecting, then pull and release the trigger for a perfect in-focus image.

- Capture up to five additional measurements with CNX™ Wireless System for more complete analysis and reporting*
- Detect and communicate issues faster with patented Fluke IR-Fusion[®] technology with AutoBlend[™] mode
- Faster communication with wireless image transfer directly to your PC, Apple* iPhone* or iPad*
- · One-handed, easy-to-use user interface
- Ruggedized high resolution 640x480 capacitive touch screen for quick menu navigation
- Capture additional digital images to show location or additional site details with IR-PhotoNotes™ Annotation System
- · Standard and radiometric video recording*
- Streaming video (USB and HDMI)
- Text* and voice recording and annotation gets additional details saved with the image file
- Optional interchangeable lenses for greater flexibility in additional applications
- High-temperature measurement (up to 1200 °C on the Ti400)
- Included SmartView* and SmartView Mobile App Analysis and Reporting Software





Announcing the new SmartView[®] Mobile App

Bring your office to your inspection site with the SmartView Mobile App. Create an inspection report on site and communicate directly to your client or manager via your Apple[®] iPhone[®] or iPad[®].

 $\mbox{\sc Optimize:}$ Adjust the image to present problems in the most effective way.

Analyze: Use markers and other tools to quantify the severity of problems.

Communicate: Share inspection results by emailing images or reports to:

- Plan next steps or gain approval for work done before you even leave the job site
- If needed, get assistance analyzing the problem

 Fluke SmartView Mobile will increase the return on your infrared camera investment.

^{*}Coming soon via firmware update.

Users notified via SmartView software when available.



Detailed specifications

	Ti400	Ti300	Ti200		
Temperature					
Temperature measurement range	-20 °C to +1200 °C				
(not calibrated below -10 °C)	(-4 °F to +2192 °F) (-4 °F to +1202 °F)				
Temperature measurement	± 2 °C or 2 % (at 25 °C nominal, whichever is greater)				
accuracy	, , , , , , , , , , , , , , , , , , , ,				
On-screen emissivity correction	Yes (by number and table)				
On-screen reflected background	Yes				
temperature compensation					
On-screen transmission correction		Yes			
Imaging performance					
Image capture frequency		rate or 60 Hz refresh rate depending upon m			
Detector type	Focal Plane Array, uncooled	Focal Plane Array, uncooled	Focal Plane Array, uncooled		
	microbolometer, 320 x 240 pixels	microbolometer, 240 X 180 pixels	microbolometer, 200 X 150 pixels		
Thermal sensitivity (NETD)	≤ 0.05 °C at 30 °C t		≤ 0.075 °C at 30 °C target temp (75 mK)		
Total pixels	76,800 43,200 30,000				
Infrared spectral band	7.5 μm to 14 μm (long wave)				
Visual (visible light) camera		Industrial performance 5.0 megapixel			
Standard infrared lens type					
Field of view	24 ° x 17 °				
Spatial resolution (IFOV)	1.31 mRad	1.75 mRad	2.09 mRad		
Minimum focus distance		15 cm (approx. 6 in)			
Optional telephoto infrared lens typ	e, available soon				
Field of view		12 ° x 9 °			
Spatial resolution (IFOV)	0.65 mRad	0.87 mRad	1.05 mRad		
Minimum focus distance	45 cm (approx. 18 in)				
Optional wide-angle infrared lens t	ype, available soon				
Field of view		46 ° x 34 °			
Spatial resolution (IFOV)	2.62 mRad	3.49 mRad	4.19 mRad		
Minimum focus distance		15 cm (approx. 6 in)			
Focus mechanism					
LaserSharp™ Auto Focus System		Yes			
Advanced Manual Focus		Yes			
Image presentation					
Palettes					
Standard	Ironbow, Blue-Red, High Co	ontrast, Amber, Amber Inverted, Hot Metal, G	rayscale, Grayscale Inverted		
Ultra Contrast™	Ironbow Ultra, Blue-	Red Ultra, High Contrast Ultra, Amber Ultra, A	Amber Inverted Ultra,		
	Hot M	etal Ultra, Grayscale Ultra, Grayscale Inverte	d Ultra		
Level and span	Smooth auto-scaling and manual scaling of level and span				
Fast auto toggle between manual	Yes				
and auto modes		162			
Fast auto-rescale in manual mode	Yes				
Minimum span (in manual mode)	2.0 °C (3.6 °F)				
Minimum span (in auto mode)		3.0 °C (5.4 °F)	· · ·		
IR-Fusion® information					
Picture-In-Picture (PIP)					
		Yes			
Full screen infrared		Yes Yes			
Full screen infrared AutoBlend™ mode					
	High-tempe	Yes	r-selectable)		
AutoBlend™ mode Color alarms (temperature alarms)	High-tempe	Yes Yes	r-selectable)		
AutoBlend™ mode Color alarms (temperature alarms) Image capture and data storage		Yes Yes rature , low-temperature, and isotherm (use			
AutoBlend™ mode Color alarms (temperature alarms)		Yes Yes			
AutoBlend™ mode Color alarms (temperature alarms) Image capture and data storage Image capture, review,	One-h	Yes Yes rature , low-temperature, and isotherm (use	ability		
AutoBlend™ mode Color alarms (temperature alarms) Image capture and data storage Image capture, review, save mechanism	One-h Micro SD Memory Card, on-board fl	Yes Yes rature , low-temperature, and isotherm (use nanded image capture, review, and save cap ash memory, save-to-USB capability, direct of	ability lownload via USB-to-PC connection		
AutoBlend™ mode Color alarms (temperature alarms) Image capture and data storage Image capture, review, save mechanism Storage medium	One-h Micro SD Memory Card, on-board fl Non-radiometric (.bmp) or (.jpeg) or fully-radi	Yes Yes Yes rature , low-temperature, and isotherm (use nanded image capture, review, and save cap ash memory, save-to-USB capability, direct of diometric (.is2) Video*: non-radiometric (MPEC	ability lownload via USB-to-PC connection S - encoded .AVI) and fully-radiometric (.IS3)		
AutoBlend™ mode Color alarms (temperature alarms) Image capture and data storage Image capture, review, save mechanism Storage medium File formats	One-F Micro SD Memory Card, on-board fl Non-radiometric (.bmp) or (.jpeg) or fully-rad No analysis soft	Yes Yes Yes rature , low-temperature, and isotherm (use nanded image capture, review, and save cap ash memory, save-to-USB capability, direct of diometric (.is2) Video*: non-radiometric (MPEC ware required for non-radiometric (.bmpjp	ability lownload via USB-to-PC connection G-encoded .AVI) and fully-radiometric (.IS3) g and .avi*) files		
AutoBlend™ mode Color alarms (temperature alarms) Image capture and data storage Image capture, review, save mechanism Storage medium	One-F Micro SD Memory Card, on-board fl Non-radiometric (.bmp) or (.jpeg) or fully-rad No analysis soft	Yes Yes Yes rature , low-temperature, and isotherm (use nanded image capture, review, and save cap ash memory, save-to-USB capability, direct of diometric (.is2) Video*: non-radiometric (MPEC	ability lownload via USB-to-PC connection G-encoded .AVI) and fully-radiometric (.IS3) g and .avi*) files		
AutoBlend™ mode Color alarms (temperature alarms) Image capture and data storage Image capture, review, save mechanism Storage medium File formats Export file formats w/SmartView*	One-h Micro SD Memory Card, on-board fl. Non-radiometric (.bmp) or (.jpeg) or fully-rad No analysis soft BMI	Yes Yes Yes rature , low-temperature, and isotherm (use nanded image capture, review, and save cap ash memory, save-to-USB capability, direct of diometric (.is2) Video*: non-radiometric (MPEC ware required for non-radiometric (.bmpjp	ability lownload via USB-to-PC connection G - encoded .AVI) and fully-radiometric (.IS3) g and .avi*) files		
AutoBlend™ mode Color alarms (temperature alarms) Image capture and data storage Image capture, review, save mechanism Storage medium File formats Export file formats w/SmartView* software	One-h Micro SD Memory Card, on-board fl Non-radiometric (.bmp) or (.jpeg) or fully-rad No analysis soft BMI	Yes Yes Yes rature , low-temperature, and isotherm (use nanded image capture, review, and save cap ash memory, save-to-USB capability, direct of diometric (.is2) Video*: non-radiometric (.bmp, .jp P, DIB, GIF, JPE, JFIF, JPEG, JPG, PNG, TIF, and	ability lownload via USB-to-PC connection G - encoded .AVI) and fully-radiometric (.IS3) g and .avi*) files		
AutoBlend™ mode Color alarms (temperature alarms) Image capture and data storage Image capture, review, save mechanism Storage medium File formats Export file formats w/SmartView* software Memory review	One-h Micro SD Memory Card, on-board fl Non-radiometric (.bmp) or (.jpeg) or fully-rad No analysis soft BMI The	Yes Yes Yes rature , low-temperature, and isotherm (use nanded image capture, review, and save cap ash memory, save-to-USB capability, direct of diometric (.is2) Video*: non-radiometric (.bmp, .jp P, DIB, GIF, JPE, JFIF, JPEG, JPG, PNG, TIF, and	ability lownload via USB-to-PC connection G - encoded .AVI) and fully-radiometric (.IS3) g and .avi*) files TIFF on		
AutoBlend™ mode Color alarms (temperature alarms) Image capture and data storage Image capture, review, save mechanism Storage medium File formats Export file formats w/SmartView* software Memory review Other time-saving and productivity	One-h Micro SD Memory Card, on-board fl Non-radiometric (.bmp) or (.jpeg) or fully-rad No analysis soft BMI The	Yes Yes Yes rature , low-temperature, and isotherm (use nanded image capture, review, and save cap ash memory, save-to-USB capability, direct of liometric (.is2) Video*: non-radiometric (MPEO ware required for non-radiometric (.bmp, .jp P, DIB, GIF, JPE, JFIF, JPEG, JPG, PNG, TIF, and numbnail view navigation and review selections	ability lownload via USB-to-PC connection G - encoded .AVI) and fully-radiometric (.IS3) g and .avi*) files TIFF on		
AutoBlend™ mode Color alarms (temperature alarms) Image capture and data storage Image capture, review, save mechanism Storage medium File formats Export file formats w/SmartView* software Memory review Other time-saving and productivit Voice annotation IR-PhotoNotes™	One-h Micro SD Memory Card, on-board fl Non-radiometric (.bmp) or (.jpeg) or fully-rad No analysis soft BMI The	Yes Yes Yes rature , low-temperature, and isotherm (use nanded image capture, review, and save cap ash memory, save-to-USB capability, direct of liometric (.is2) Video*: non-radiometric (MPEC ware required for non-radiometric (.bmpjp P, DIB, GIF, JPE, JFIF, JPEG, JPG, PNG, TIF, and numbnail view navigation and review selection num recording time per image; reviewable p	ability lownload via USB-to-PC connection G - encoded .AVI) and fully-radiometric (.IS3) g and .avi*) files TIFF on		
AutoBlend TM mode Color alarms (temperature alarms) Image capture and data storage Image capture, review, save mechanism Storage medium File formats Export file formats w/SmartView* software Memory review Other time-saving and productivit Voice annotation IR-PhotoNotes TM Wi-Fi connectivity	One-h Micro SD Memory Card, on-board fl Non-radiometric (.bmp) or (.jpeg) or fully-rad No analysis soft BMI The	Yes Yes Yes rature , low-temperature, and isotherm (use nanded image capture, review, and save cap ash memory, save-to-USB capability, direct of liometric (.is2) Video*: non-radiometric (MPEO ware required for non-radiometric (.bmp, .jp P, DIB, GIF, JPE, JFIF, JPEG, JPG, PNG, TIF, and numbnail view navigation and review selection num recording time per image; reviewable p	ability lownload via USB-to-PC connection G - encoded .AVI) and fully-radiometric (.IS3) g and .avi*) files TIFF on		
AutoBlend TM mode Color alarms (temperature alarms) Image capture and data storage Image capture, review, save mechanism Storage medium File formats Export file formats w/SmartView* software Memory review Other time-saving and productivit Voice annotation IR-PhotoNotes TM Wi-Fi connectivity Text annotation*	One-h Micro SD Memory Card, on-board fl Non-radiometric (.bmp) or (.jpeg) or fully-rad No analysis soft BMI The	Yes Yes Yes rature , low-temperature, and isotherm (use nanded image capture, review, and save cap ash memory, save-to-USB capability, direct of itiometric (.is2) Video*: non-radiometric (.bmpjp P, DIB, GIF, JPE, JFIF, JPEG, JPG, PNG, TIF, and numbnail view navigation and review selection num recording time per image; reviewable p Yes Yes, to PC, iPhone*, iPad* and WiFi to LAN* Yes	ability lownload via USB-to-PC connection G - encoded .AVI) and fully-radiometric (.IS3) g and .avi*) files TIFF on		
AutoBlend TM mode Color alarms (temperature alarms) Image capture and data storage Image capture, review, save mechanism Storage medium File formats Export file formats w/SmartView* software Memory review Other time-saving and productivit Voice annotation IR-PhotoNotes TM Wi-Fi connectivity Text annotation* Video recording*	One-h Micro SD Memory Card, on-board fl Non-radiometric (.bmp) or (.jpeg) or fully-rad No analysis soft BMI Tr ty features 60 seconds maxin	Yes Yes Yes rature , low-temperature, and isotherm (use nanded image capture, review, and save cap ash memory, save-to-USB capability, direct of liometric (.is2) Video*: non-radiometric (MPEC ware required for non-radiometric (.bmpjp P, DIB, GIF, JPE, JFIF, JPEG, JPG, PNG, TIF, and numbnail view navigation and review selection num recording time per image; reviewable p Yes Yes, to PC, iPhone*, iPad* and WiFi to LAN* Yes Standard and Radiometric	ability lownload via USB-to-PC connection i - encoded .AVI) and fully-radiometric (.IS3) g and .avi*) files TIFF on layback on imager		
AutoBlend TM mode Color alarms (temperature alarms) Image capture and data storage Image capture, review, save mechanism Storage medium File formats Export file formats w/SmartView* software Memory review Other time-saving and productivit Voice annotation IR-PhotoNotes TM Wi-Fi connectivity Text annotation* Video recording* Streaming Video	One-h Micro SD Memory Card, on-board fl Non-radiometric (.bmp) or (.jpeg) or fully-rad No analysis soft BMI Tr ty features 60 seconds maxin	Yes Yes Yes rature , low-temperature, and isotherm (use nanded image capture, review, and save cap ash memory, save-to-USB capability, direct of diometric (.is2) Video*: non-radiometric (MPEC ware required for non-radiometric (.bmpjp P, DIB, GIF, JPE, JFIF, JPEG, JPG, PNG, TIF, and numbnail view navigation and review selection num recording time per image; reviewable p Yes Yes, to PC, iPhone*, iPad* and WiFi to LAN* Yes Standard and Radiometric USB to PC and HDMI to HDMI compatible sci	ability lownload via USB-to-PC connection i - encoded .AVI) and fully-radiometric (.IS3) g and .avi*) files TIFF on layback on imager		
AutoBlend TM mode Color alarms (temperature alarms) Image capture and data storage Image capture, review, save mechanism Storage medium File formats Export file formats w/SmartView* software Memory review Other time-saving and productivit Voice annotation IR-PhotoNotes TM Wi-Fi connectivity Text annotation* Video recording* Streaming Video CNXTM Wireless System*	One-h Micro SD Memory Card, on-board fl Non-radiometric (.bmp) or (.jpeg) or fully-rad No analysis soft BMI Tr ty features 60 seconds maxin	Yes Yes Yes rature , low-temperature, and isotherm (use nanded image capture, review, and save cap ash memory, save-to-USB capability, direct of liometric (is2) Video*: non-radiometric (MPE ware required for non-radiometric (.bmpjp P, DIB, GIF, JPE, JFIF, JPEG, JPG, PNG, TIF, and numbnail view navigation and review selection num recording time per image; reviewable p Yes Yes, to PC, iPhone*, iPad* and WiFi to LAN* Yes Standard and Radiometric USB to PC and HDMI to HDMI compatible scr Yes*	ability lownload via USB-to-PC connection i - encoded .AVI) and fully-radiometric (.IS3) g and .avi*) files TIFF on layback on imager		
AutoBlend TM mode Color alarms (temperature alarms) Image capture and data storage Image capture, review, save mechanism Storage medium File formats Export file formats w/SmartView* software Memory review Other time-saving and productivit Voice annotation IR-PhotoNotes TM Wi-Fi connectivity Text annotation* Video recording* Streaming Video CNX TM Wireless System* Cardinal Compass*	One-h Micro SD Memory Card, on-board fl Non-radiometric (.bmp) or (.jpeg) or fully-rad No analysis soft BMI Tr ty features 60 seconds maxin	Yes Yes Yes rature , low-temperature, and isotherm (use nanded image capture, review, and save cap ash memory, save-to-USB capability, direct o litiometric (.is2) Video*: non-radiometric (MPE ware required for non-radiometric (.bmpjp P, DIB, GIF, JPE, JFIF, JPEG, JPG, PNG, TIF, and numbnail view navigation and review selecti num recording time per image; reviewable p Yes Yes, to PC, iPhone*, iPad* and WiFi to LAN* Yes Standard and Radiometric USB to PC and HDMI to HDMI compatible scr Yes* Yes*	ability lownload via USB-to-PC connection i - encoded .AVI) and fully-radiometric (.IS3) g and .avi*) files TIFF on layback on imager		
AutoBlend TM mode Color alarms (temperature alarms) Image capture and data storage Image capture, review, save mechanism Storage medium File formats Export file formats w/SmartView* software Memory review Other time-saving and productivit Voice annotation IR-PhotoNotes TM Wi-Fi connectivity Text annotation* Video recording* Streaming Video CNX TM Wireless System* Cardinal Compass* Auto capture (temperature and interval)*	One-h Micro SD Memory Card, on-board fl Non-radiometric (.bmp) or (.jpeg) or fully-rad No analysis soft BMI Tr ty features 60 seconds maxin Via	Yes Yes Yes rature , low-temperature, and isotherm (use nanded image capture, review, and save cap ash memory, save-to-USB capability, direct of diometric (is2) Video*: non-radiometric (MPE ware required for non-radiometric (.bmpjp P, DIB, GIF, JPE, JFIF, JPEG, JPG, PNG, TIF, and numbnail view navigation and review selection num recording time per image; reviewable p Yes Yes, to PC, iPhone*, iPad* and WiFi to LAN* Yes Standard and Radiometric USB to PC and HDMI to HDMI compatible scr Yes* Yes*	ability lownload via USB-to-PC connection G - encoded .AVI) and fully-radiometric (.IS3) g and .avi*) files TIFF on layback on imager		
AutoBlend TM mode Color alarms (temperature alarms) Image capture and data storage Image capture, review, save mechanism Storage medium File formats Export file formats w/SmartView* software Memory review Other time-saving and productivit Voice annotation IR-PhotoNotes TM Wi-Fi connectivity Text annotation* Video recording* Streaming Video CNX TM Wireless System* Cardinal Compass*	One-h Micro SD Memory Card, on-board fl Non-radiometric (.bmp) or (.jpeg) or fully-rad No analysis soft BMI Tr ty features 60 seconds maxin	Yes Yes Yes rature , low-temperature, and isotherm (use nanded image capture, review, and save cap ash memory, save-to-USB capability, direct o litiometric (.is2) Video*: non-radiometric (MPE ware required for non-radiometric (.bmpjp P, DIB, GIF, JPE, JFIF, JPEG, JPG, PNG, TIF, and numbnail view navigation and review selecti num recording time per image; reviewable p Yes Yes, to PC, iPhone*, iPad* and WiFi to LAN* Yes Standard and Radiometric USB to PC and HDMI to HDMI compatible scr Yes* Yes*	ability lownload via USB-to-PC connection i - encoded .AVI) and fully-radiometric (.IS3) g and .avi*) files TIFF on layback on imager		

 $^{*\ \}textit{Coming soon via firmware update. Users notified via SmartView software when available.}$



General specifications

Operating temperature	-10 °C to +50 °C (14 °F to 122 °F)	
Storage temperature	-20 °C to +50 °C (-4 °F to 122 °F) without batteries	
Relative humidity	10 % to 95 % non-condensing	
Ruggedized Touchscreen	8.9 cm (3.5 in) diagonal landscape color VGA (640 x 480) LCD with backlight	
Display (Capacitive)		
Controls and adjustments	User selectable temperature scale (°C/°F)	
	Language selection Time/Date set	
	Emissivity selection	
	Reflected background temperature compensation	
	Transmission correction	
	User selectable hot spot and cold spot, and center point on the image	
	Expandable-contractable Measurement Box with MIN-AVG-MAX temp	
	Color alarms	
	User selectable backlight setting Graphical information display preference	
Software	SmartView* and SmartView Mobile App - full analysis and reporting software included	
Batteries	Two lithium ion rechargeable smart battery packs with five-segment LED display to show charge level, all models	
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	Two-bay ac battery charger (110 V ac to 220 V ac, 50/60 Hz) (included), or in-imager charging. AC mains adapters included. Optional 12 V automotive charging adapter. All models	
AC emeration	0 0 1	
AC operation	AC operation with included power supply (110 V ac to 220 V ac, 50/60 Hz). AC mains adapters included. User selectable sleep and power off modes	
Power saving		
Safety standards	UL 61010-1:2012 CAN/CSA-C22.2 No.61010-1-12 IEC 61010-1 3rd Edition (2010)	
Electromagnetic compatibility	EN 61326-1:2006 IEC 61326-1:2005	
C Tick	IEC/EN 61326-1	
US FCC	CFR 47, Part 15 Subpart B Class B	
Vibration	0.03 g2/Hz (3.8 grms), 2.5g IEC 68-2-6	
Shock	25 g, IEC 68-2-29	
Drop	Engineered to withstand 2 meter (6.5 feet) 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.	
Recommended calibration cycle	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	
Supported Languages	Czech, Dutch, English, Finnish, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, and Turkish	

Ordering information

FLK-Ti400 9 Hz Thermal Imager, 9 Hz FLK-Ti400 60 Hz Thermal Imager, 60 Hz FLK-Ti300 9 Hz Thermal Imager, 9 Hz FLK-Ti300 60 Hz Thermal Imager, 60 Hz FLK-Ti200 9 Hz Thermal Imager, 9 Hz FLK-Ti200 60 Hz Thermal Imager, 60 Hz

Thermal imager with standard infrared lens; ac power supply and battery pack charger (including mains adapters); two, rugged lithium ion smart battery packs; Micro SD memory card with SD adapter; 3m USB cable; 3m HDMI video cable; SmartView* software with free software upgrades for life; rugged, hard carrying case; soft transport bag; adjustable hand strap; printed users manual (five languages); CD user manual; warranty registration card.

Optional accessories

FLK-LENS/TELE2 Telephoto infrared lens (2X magnification)

FLK-LENS/WIDE2 Wide-angle infrared lens

TI-CAR-CHARGER Thermal imager vehicle charger

FLK-TI-VISOR3 Thermal imager visor

BOOK-ITP Introduction to Thermography Principles book

TI-TRIPOD3 Tripod mounting base accessory

Fluke Corporation

PO Box 9090, Everett, WA 98206 U.S.A.

Fluke Europe B.V.

PO Box 1186, 5602 BD Eindhoven, The Netherlands

For more information call:

In the U.S.A. (800) 443-5853 or Fax (425) 446-5116 In Europe/M-East/Africa +31 (0) 40 2675 200 or Fax +31 (0) 40 2675 222 In Canada (800)-36-FLUKE or Fax (905) 890-6866 From other countries +1 (425) 446-5500 or Fax +1 (425) 446-5116 Web access: http://www.fluke.com

©2013 Fluke Corporation. All trademarks are the property of their respective owners. Specifications subject to change without notice. Printed in U.S.A. 8/2013 4347232D_EN

Modification of this document is not permitted without written permission from Fluke Corporation.