



High Tech Inspection Solutions

## Fluke TiR INFRARED CAMERA

### Price List



#### Newest Thermal Imager – TiR1 with IR-Fusion Technology

The new Fluke TiR 1 Thermal Imager is a perfect choice for many applications with enhanced problem detection and analysis capabilities and patented IR-Fusion Technology. This technology simultaneously captures a digital photo in addition to the infrared image and fuses it together taking the mystery out of IR image analysis. Images enhanced with IR-Fusion help identify and locate problems enabling treatment or repairs to be done right the first time. IR-Fusion images are also extremely effective when communicating findings to a customer, insurance company or technician.

With the TiR1 you can store up to 3000 screen images (.bmp format) or 1200 IR-Fusion images on the included 2GB SD memory card and there's no need to carry a pen and paper – record findings by speaking into the camera – voice annotation comments are saved with the image. Excellent thermal sensitivity and range for seeing even small temperature differences. Large 9.1cm (3.4 in) diagonal color LCD screen and a simple three button menu also make this unit very user friendly. With all this technology make no mistake this is one rugged camera engineered to withstand drops up to 2 meters (6 feet) and dust and water are no problem with an IP54 rating. Manufactured in the USA by Fluke and warranted for 2 years.

Part #	Description	Unit Price
2823121	Fluke-TiR1 Thermal Imager, 70 mK NETD (23° x 17° FOV) Features: <ul style="list-style-type: none"> <li>• Center Point and Hot and Cold Markers</li> <li>• 20mm Lens (manual focus)</li> <li>• Calibrated Temperature Range -20°C to +100°C (-4°F to + 212°F)</li> <li>• Picture in Picture and Full Screen IR with User Selectable Blending</li> <li>• Voice Memo Recorder</li> <li>• Image Storage 3000 .bmp IR Images or 1200 .IS2 IR-Fusion Images on removable 2 GB SD Memory Card</li> <li>• 640 x 480 pixels, Full Color Display with Selectable Backlight</li> </ul> Standard Accessories included: <ul style="list-style-type: none"> <li>• AC Power Supply/Battery Charger (including mains adapters)</li> <li>• SD Memory Card and Reader (USB)</li> <li>• SmartView Full Analysis and Reporting Software</li> <li>• Rugged Hard Carrying Case and Soft Transport Bag</li> <li>• Hand Strap</li> <li>• Users Manual and Warranty Registration Card</li> </ul>	\$ 6995.00

#### Optional Accessories:

Part #	Description	Unit Price
3039779	TI-Car Charger ( for TiR and TiR1 models)	\$110.00
IRSD20	SD Memory Card 2GB	34.95

Full payments are required upon order; All prices FOB, Miami, FL.

Does not include applicable taxes.

Does not include formal training & certification.

CODE FL TIR1FEB2008

Prices subject to change without notice.

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### Fluke TiR1/R specifications

	Fluke TiR1	Fluke TiR
<b>Imaging performance</b>		
Field of View (FOV )	23° horizontal x 17° vertical	
Minimum focus distance	Thermal lens: 15 cm (approx. 6 in), Visible (visual) light lens: 46 cm (approx. 18 in)	
Thermal sensitivity (NETD)	≤ 0.07 °C at 30 °C (70 mK)	≤ 0.1 °C at 30 °C (100 mK)
Minimum span (Auto/Manual)	5 °C / 2.5 °C	
Focus	Manual	
Detector size	160 x 120	
On camera operating modes	Picture-in-Picture (Blending is user selectable between MAX, MID and MIN) and full screen IR (Blending is user selectable between MAX, MED and MIN)	Full Picture-in-Picture and full screen IR
Visual (Visible light) camera	640 x 480 pixels, full color	
<b>Temperature measurement</b>		
Temperature range	-20 °C to +100 °C (-4 °F to +212 °F), 2 ranges	-20 °C to +100 °C (-4 °F to +212 °F)
Accuracy	± 2 °C or 2 % (whichever is greater)	± 5 °C or 5 % (whichever is greater)
Measurement modes	Center point and hot and cold markers	Center point
On-screen emissivity correction	Yes	No
<b>Image presentation</b>		
Digital display	9.1 cm (3.6 in) diagonal landscape color VGA (640 x 480) LCD	
LCD backlight	Selectable bright or auto	
Palettes	Ironbow, blue-red, high contrast, amber, hot metal, grey	Ironbow, blue-red, high contrast, grey
<b>Image and data storage</b>		
Fully radiometric	Yes	
Storage medium	2 GB SD card stores up to 3000 .bmp IR images or 1200 IS2 IR-Fusion images	
File formats supported	Exportable to JPEG, BMP, GIF, PNG, TIFF, WMF EXIF, and EMF	
Voice memo recorder (voice annotation)	Yes	No
<b>Software Controls and adjustments</b>		
Software	SmartView ; Full analysis and reporting software included	
Set-up controls	Date/time, °C/°F, language, emissivity, hot spot and cold spot on image	Date/time, °C/°F, language
Language selection	English, German, French, Spanish, Portuguese, Italian, Swedish, Finnish, Russian, Czech, Polish, Turkish, Simplified Chinese, Traditional Chinese, Korean, Japanese	
Image controls	Smooth auto scaling and manual scaling	
On-screen indicators	Battery status, real time clock and center point temperature, range and span indication and high and low alarm settings	
<b>Power</b>		
Battery type	Internal rechargeable battery (included)	
Battery operating time	3 to 4 hours continuous operation	
Battery charging	2 hours with ac charger or dc car charger (charges battery while operating)	
AC operation	AC adapter/charger 110/230 V ac, 50/60 Hz	
Power saving	Automatic shutdown and sleep modes (user specified)	
<b>Environmental and mechanical design</b>		
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	Operating and storage 10 % to 90 %, non-condensing	
Water and dust resistant	IP54	
Two meter (6.5 feet) drop test	Yes	
Protective lens cover	Yes	
Weight (including battery)	1.2 kg (2.6 lbs)	
Imager size (HxWxD)	267 mm x 127 mm x 152 mm (10.5 in x 5.0 in x 6.0 in)	
<b>Other</b>		
Warranty	Two-years	
EN 61010-1 2nd edition and EN61326-1	Yes	

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