

VT02 Visual IR Thermometer - Specifications

Temperature	
Temperature measurement range	-10 °C to +250 °C (14 °F to 482 °F)
Temperature measurement accuracy	±2°C or ±2% of reading in °C, whichever is the greater (at 25 °C nominal)
On-screen emissivity correction	Yes
On-screen reflected background temperature compensation	Yes
Imaging performance	
Image capture frequency	8 Hz
Detector type	Uncooled Pyroelectric Ceramic
Thermal sensitivity(NETD)	≤250mK
Infrared spectral band	8µm to 14 µm
Visual Camera	11,025 pixels
Minimum focus distance	50 cm (19.6 in)
Field of View	20° X 20°
Image presentation	
Palettes	Ironbow, Rainbow, Rainbow High Contrast, gray scale and inverted gray scale.
Level and span	Auto
Viewing options	Blending of the visual and the infrared from full infrared to full visual in 25% steps.
Hot spot and cold spot tracking	Yes
Image capture and data storage	
Image capture	Image will freeze allowing review before saving.
Storage medium	2 Gb Micro SD card.
File format	.is2 format saved to SD card. When imported to included SmartView® reporting software user can create professional reports or images can be exported into multiple formats (BMP, DIB, GIF, JPE, JFIF, JPEG, JPG, PNG, TIF AND TIFF)
Memory review	Scroll through all saved images and view on screen.
General Specifications	
Operating Temperature	-10 °C to +45 °C (14 °F to 113 °F)
Storage Temperature	-20 °C to +60 °C (-4 °F to 140 °F)
Relative humidity	10 % to 90 % non-condensing
Display	2.2 in diagonal
Controls and adjustments	Select color palette User selectable temperature scale (°F/°C) Time/date set Emissivity selection Reflected background temperature compensation
Software	SmartView® analysis and reporting software, included
Batteries	4 AA
Battery life	8 hrs
Power saving	Power down after 10 minutes of inactivity.
Electromagnetic compatibility	CE EN6100-6-1:2007 EN6100-6-3:2007
US FCC	CFR47: 2009 Class A. Part 15 subpart B.
Drop	MIL-PRF-288000F; Class 2 section 4.5.5.4.2; 30cm
Size (H x W x L)	21cm x 7.5cm x 5.5cm (8.3in x 3in x 2.2in)
Weight (battery included)	<300 gm (10½ oz)
Enclosure rating	IP43
Warranty	2 years

- Ordering information: 4253599, FLUKE VT02 Visual IR Thermometer