



Key Features:

- Quickly identify thermal anomalies with IGM™ (Infrared Guided Measurement) and MSX® technology, while IR Super Resolution enhances thermal images from 160 × 120 to 320 × 240 for greater image detail and more confident diagnostics
- Accurately troubleshoot electrical systems with VFD mode for reliable measurements, an intuitive scroll wheel for easy navigation, and an included remote control that enables safer, more efficient inspections in hard-to-reach areas
- Wirelessly transfer measurements and thermal images using the Flir Meterlink® app to compare readings, track trends, and generate professional reports directly from your mobile device

Main Applications:

- Building Diagnostics: Electrical, HVAC/R Building Controls and Fire Alarm System troubleshooting and testing
- Manufacturing: Troubleshooting and testing of PLC, Automation Systems, and Electrical Systems
- Electronic Bench Testing: Functional and performance testing of small electronics, circuit boards, and motors

Specifications

Thermal Imaging	
Thermal Imaging Detector	Flir Lepton® Microbolometer
Infrared (IR) Image Resolution	160 × 120 (Native Resolution) 320 × 240 (Super Resolution)
IR Imaging Field of View (V × H)	57° × 44°
IR Imaging Spectral Response	8 μm to 14 μm
Thermal Sensitivity	130 mK
IR Image Capture Frequency	9 Hz
IR Image Color Palettes	Iron, Rainbow, Arctic, White Hot, and Black Hot
IR Temperature Measurement Range	-10°C to 300°C (14°F to 572°F)
Temperature Reading Stabilization	Approximation Symbols are Displayed for Approximately 30 Seconds
IR Temperature Resolution	0.1°C (0.1°F)
IR Temperature Accuracy	±3°C (5.4°F) or ±3% of the Reading; Whichever is Greater
Emissivity Adjustment	0.10 to 1.00 (default is 0.95); Select From Three Presets or Set Manually
Image Modes	Thermal MSX (Multi-Spectral Dynamic Imaging), Thermal Camera Only, Digital Camera Only
Visual Imaging	
Resolution	2 MP (1600 × 1200 Pixels)
Focus	Fixed

Electrical Measurement	
Display	6000 Counts
True RMS	Yes
AC/DC V	Range 600 V / Accuracy 600.0 mV, 6.000 V, 60.00 V ±(0.3% + 2 Digits) 600.0 V ±(0.5% + 5 Digits)
VFD AC V	Range: 600 V AC / Accuracy ±(1.0% + 3 Digits) at 45 Hz to 65 Hz
Frequency Counter	Range: 10 kHz / Accuracy ±(0.1% + 2 Digits)
Resistance	Range: 60 Mohm / 600.0 Ω, 6.000 KΩ, 60.00 KΩ, 600.00 KΩ, 6.000 MΩ, ±(1.0% + 2 Digits)
Continuity Check	<30 Ω Beeper On, >150 Ω Beeper Off
Diode Test	Range: 3 V / Accuracy ±(0.9% + 3 Digits)
Capacitance	Range: 10 mF / 1000 nF, 10.00 μF, 100.0 μF, 1000 μF, ±(2.0% + 2 Digits) 10.00 mF, ±(3.0% + 5 Digits)
Measuring Rate	3 Samples Per Second
Over- And Under-Range Indication	OL
Datalogging and Storage	
Data Storage Interval, (Configurable)	1 to 99 seconds
Readings Per Memory Set	40,000

Specifications subject to change. For the most up-to-date specifications, visit www.flir.com

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Specifications, continued

Thermal Image Storage	
Storage Media	eMMC 8 GB
Image File Format	Radiometric JPEG
Maximum Number of Images	Up to 40,000
Video Recording	50 Minutes Maximum Duration 20 Seconds Max Duration for File Transmission via Meterlink
Connectivity	
Wireless Technology	Bluetooth BLE
Communications Protocol	Meterlink
Bluetooth Range	10 m (32 ft)
System Power	
Battery	Rechargeable 3.7 V, 2950 mAh LiPo
Battery Life	Up to 12 Hours in IGM Mode With Display Set to Medium Brightness Up to 24 Hours in Multimeter Mode Set to Medium Brightness
Auto Power Off	Options: OFF, 2, 5, or 10 Minutes
General Information	
Display	3.2 in. IPS LCD
Category Rating	CAT III-600 V
IP Rating	IP40
Drop Test	2 m (6.6 ft)
Warranty	Limited 3-Year Warranty
Calibration Cycle	Once Per Year, Recommended

Certifications	
Certifications	ETL, CE, FCC
Safety Standards	IEC 61010-1 CAT III-600 V
EMC Standards	EN61326-1, EN61326-2-2, EN300328
Environmental Data	
Operating Ambient Temperature and Relative Humidity (RH)	-10°C to 30°C (14°F to 86°F), <85% RH 30°C to 40°C (86°F to 104°F), <75% RH 40°C to 50°C (104°F to 122°F), <45% RH
Storage Temperature and RH	-20°C to 60°C (-4°F to 140°F), 0 to 80% RH
Temperature Coefficient	0.1 × (Specified Accuracy)/°C, <18°C (64.4°F), >28°C (82.4°F)
Operating Altitude	2000 m (6560 ft)
Pollution Degree	2
Meter Physical Data	
Weight	299 g (10.54 oz.)
Dimensions (L × W × H)	168 × 87 × 31 mm (6.5 × 3.4 × 1.2 in)
Included in the Box	1 × DM266 IGM Compact Multimeter 1 Set of CAT IV-600 V Test Leads 1 × USB Type-A to C Cable 1 × Soft Carrying Case 1 × Flir Quick Start Guide 1 × TA93 Remote control 1 × 1220 Coin Battery

Accessories	
TA80	CAT IV Silicone Test Leads
TA93	Hold & Snapshot Remote Control with Probe Holder

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