

Product Datasheet - Technical Specifications



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Key Features:

- True RMS DMM measurements features reliable performance and 1000V range
- Durable, double-molded construction with IP54 rating and 3 m drop tested
- Seamless integration with METERLiNK® App

Main Applications:

- Diagnosing intermittent electrical problems
- Performing quality control inspections in electronics
- Data logging and tracking changes in electrical systems

SPECIFICATIONS

DC voltage	1000.0 V ± 0.05%
AC voltage	1000.0 V ± 0.5%
VFD voltage	1000.0 V ± 0.5%
DC current	10.000 A ± 0.2%
AC current	10.000 A ± 1.0%
Resistance	40.00 MΩ ± 0.2%
Continuity threshold	30 Ω ± 0.2%
Frequency	100.00 kHz ± 5 digits
Capacitance	40.00 mF ± 0.9%
Temperature	-200°C to 1200°C (-328°F to 2192°F) ± 1.0%
Diode test	2 V ± 1.5%
Maximum voltage applied to any terminal	1000 V DC or 1000 V AC RMS
ACV bandwidth	5 kHz
ACA bandwidth	5 kHz
Measuring rate	10 samples per second
Meter Data	
Bluetooth range (maximum)	10 m (32 ft)
Display counts	40,000
Category rating	CAT IV-600 V, CAT III-1000 V
Data recording	10,000 points
Warranty	https://www.flir.com/testwarranty
Certifications	
Certifications	UL, CE, FCC, UKCA

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

Safety standards	IEC 61010-1 CAT IV-600 V and CAT III-1000 V, IEC 61010-2-33
Power System	
Power requirements	6 × 1.5 V AAA alkaline batteries
Battery life	~100 hours with alkaline batteries (backlight, worklight, and Bluetooth off)
Auto power off	Default: 10 minutes
Environmental Data	
Drop test	3 m (9.8 ft)
IP rating	IP54 dust-protected and splash-resistant
Operating ambient temperatures 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	-30°C to 60°C (-22°F to 140°F), 0 to 80% RH (batteries not fitted)
Temperature coefficient	0.1 × (specified accuracy)/°C, <18°C, >28°C
Operating altitude	2000 m (6550 ft)
Electromagnetic compatibility	EN 61326-1
Shock vibration	Random vibration per MIL-PRF-28800f Class 2 (5 Hz to 55 Hz, 3 g maximum)
Meter Physical Data	
Weight	601 g (1.33 lb) including batteries
Dimensions (H × W × L)	60.7 mm × 98.1 mm × 207.1 mm (2.39 in × 3.86 in × 8.15 in)
In the Box	
Packaging contents	FLIR DM93-2 multimeter Premium test leads Type K temperature probe (204°C, 400°F) Warranty card 6 × AAA Energizer batteries Quick Start Guide

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