



FLIR DM93–2: Industrial Digital Multimeter with METERLiNK

P/N: DM93-2

Copyright

© 2023, FLIR Systems, Inc.

All rights reserved worldwide. Names and marks appearing herein are either registered trademarks or trademarks of FLIR Systems and/or its subsidiaries. All other trademarks, trade names or company names referenced herein are used for identification only and are the property of their respective owners.

Document identity

Publ. No.: DM93-2

Commit: 93769

Language:

Modified: 2023-10-23

Formatted: 2023-10-23

Website

<http://www.flir.com>

Customer support

<http://support.flir.com>

Disclaimer

Specifications subject to change without further notice. Camera models and accessories subject to regional market considerations. License procedures may apply. Products described herein may be subject to US Export Regulations. Please refer to exportquestions@flir.com with any questions.



General

The FLIR DM93–2 is a world-class digital multimeter with advanced variable-frequency drive (VFD) filtering to help you accurately analyze non-traditional sine waves and noisy signals found in VFD-controlled equipment.

- VFD mode filters VFD signals and provides accurate voltage and frequency measurements during maintenance and troubleshooting.
- LoZ mode eliminates ghost voltage readings associated with long-run applications.
- Powerful work lights eliminate the need for a flashlight while performing tests in dim lighting.
- The data record feature captures electrical measurements and provides wireless data transfer.
- Integrated Bluetooth technology connects the FLIR DM93-2 to the FLIR METERLiNK app on your compatible mobile device.

Features:

Voltage and current, bright white LED backlight, analog bargraph, auto AC/DC voltage, minimum, maximum, average recording, auto power off, hold, relative, peak hold, store, recall.

Measurement

DC voltage	1000.0 V $\pm$ 0.05%
AC voltage	1000.0 V $\pm$ 0.5%
VFD voltage	1000.0 V $\pm$ 0.5%
DC current	10.000 A $\pm$ 0.2%
AC current	10.000 A $\pm$ 1.0%
Resistance	40.00 M Ω $\pm$ 0.2%
Continuity threshold	30 Ω $\pm$ 0.2%
Frequency	100.00 kHz $\pm$ 5 digits
Capacitance	40.00 mF $\pm$ 0.9%
Temperature	–200 to 1200°C (–328 to 2192°F) $\pm$ 1.0%
Diode test	2V $\pm$ 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



FLIR DM93–2: Industrial Digital Multimeter with METERLiNK

P/N: DM93-2

© 2023, FLIR Systems, Inc.

#DM93-2; r. 93769;

Meter data	
Bluetooth range (maximum)	10 m (32')
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
Calibration cycle	Once per year (suggested)
Certifications	
Certifications	UL, CE, FCC, UKCA
Complies with 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, work light, and Bluetooth off)
Low battery voltage	~7.0 V
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 to 30°C (14–86°F), <85% RH 30–40°C (86–104°F), <75% RH 40–50°C (104–122°F), <45% RH
Storage temperature and RH	–30 to 60°C (–22 to 140°F), 0–80% RH (batteries not fitted)
Temperature coefficient	0.1 × (specified accuracy)/°C, <18°C, >28°C
Operating altitude	2000 m (6550')
Pollution degree	2
Electromagnetic compatibility	EN 61326-1
Shock vibration	Random vibration per MIL-PRF-28800f Class 2 (5–55 Hz, 3g maximum)
Declaration of conformity	See: https://support.flir.com/resources/DoC
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" × 3.86" × 8.15")
Material	- Polycarbonate and acrylonitrile butadiene styrene (PC-ABS) - Thermoplastic elastomer (TPE)
Color	Gray, black



FLIR DM93–2: Industrial Digital Multimeter with METERLiNK

P/N: DM93-2

© 2023, FLIR Systems, Inc.

#DM93-2; r. 93769;

Shipping information	
Packaging type	Gift Box
Packaging contents	• DM93–2 FLIR meter • Premium test leads • Type K temperature probe (400°F, 204°C) • Warranty card • 6 × AAA Energizer batteries • Quick Start Guide
Packaging weight	1.092 kg (2.41 lb.)
Packaging dimensions (H × W × L)	28.5 cm × 15 cm × 10.4 cm (11.22" × 5.91" × 4.09")
Carton weight	13.23 kg (29.16 lb.)
Carton dimensions (H × W × L)	31 cm × 36.5 cm × 61 cm (12.2" × 14.4" × 24")
Carton quantity	12
EAN-13	0793950372937
UPC-12	793950372937
Country of origin	Taiwan
Technical support	
Website	http://support.flir.com