

# FLIR DM93-2: Industrial Digital Multimeter with METERLiNK

## P/N: DM93-2

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### Website

<http://www.flir.com>

### Customer support

<http://support.flir.com>

### Disclaimer

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General	
<p>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.</p> <ul style="list-style-type: none"> <li>VFD mode filters VFD signals and provides accurate voltage and frequency measurements during maintenance and troubleshooting.</li> <li>LoZ mode eliminates ghost voltage readings associated with long-run applications.</li> <li>Powerful worklights eliminate the need for a flashlight while performing tests in dim lighting.</li> <li>The data record feature captures electrical measurements and provides wireless data transfer.</li> <li>Integrated Bluetooth technology connects the FLIR DM93-2 to the FLIR METERLiNK app on your compatible mobile device.</li> </ul>	
<p>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.</p>	
Measurement	
DC voltage	1000.0V ± 0.05%
AC voltage	1000.0V ± 0.5%
VFD voltage	1000.0V ± 0.5%
DC current	10.000A ± 0.2%
AC current	10.000A ± 1.0%
Resistance	40.00MΩ ± 0.2%
Continuity threshold	30Ω ± 0.2%
Frequency	100.00kHz ± 5 digits
Capacitance	40.00mF ± 0.9%
Temperature	-200 to 1200°C (-328 to 2192°F) ± 1.0%
Diodetest	2V ± 1.5%
Maximum voltage applied to any terminal	1000VDC or 1000VAC RMS
ACV Bandwidth	5kHz - 5kHz 10 samples per second
AC A Bandwidth	
Measuring rate:	

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<b>Meter data</b>	
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	<a href="https://www.flir.com/testwarranty">https://www.flir.com/testwarranty</a>
Calibration cycle	Once per year (suggested)
<b>Certifications</b>	
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
<b>Power system</b>	
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
<b>Environmental data</b>	
Drop test	3 m (9.8 ft.)
IP rating	IP54 dust-protected and splash-resistant
Operating ambient temperatures and relative humidity (RH)	<ul style="list-style-type: none"> <li>• -10 to 30°C (14–86°F), &lt;85%RH</li> <li>• 30–40°C (86–104°F), &lt;75%RH</li> <li>• 40–50°C (104–122°F), &lt;45%RH</li> </ul>
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) See: <a href="https://support.flir.com/resources/DoC">https://support.flir.com/resources/DoC</a>
Declaration of conformity	<a href="#">_____</a>
<b>Meter physical data</b>	
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	<ul style="list-style-type: none"> <li>• Polycarbonate and acrylonitrile butadiene styrene (PC-ABS)</li> <li>• Thermoplastic elastomer (TPE)</li> </ul>
Color	Gray, black



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Shipping information	
Packaging type	Gift Box
Packaging contents	<ul style="list-style-type: none"><li>• DM93-2FLIRmeter</li><li>• Premiumtestleads</li><li>• TypeKtemperatureprobe(400°F,204°C)</li><li>• Warrantycard</li><li>• 6xAAAEnergizerbatteries</li><li>• QuickStartGuide</li></ul>
Packaging weight	1.092 kg (2.41 lb.)
Packaging dimensions (H x W x L)	28.5 cm x 15 cm x 10.4 cm (11.22" x 5.91" x 4.09")
Carton weight	13.23 kg (29.16 lb.)
Carton dimensions (H x W x L)	31 cm x 36.5 cm x 61 cm (12.2" x 14.4" x 24")
quantity	12
EAN-13	0793950372937
UPC-12	793950372937
Country of origin	Taiwan
<b>Technicalsupport</b>	
Website	
	<a href="http://support.flir.com">http://support.flir.com</a>