

P/N: DM62

Copyright

© 2020, 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.: DM62

Commit: 64380

Language: en-US

Modified: 2020-03-10

Formatted: 2020-03-23

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.



Part number	DM62																
Part name	TRMS Digital Multimeter with Non-contact Voltage																
<p>The FLIR DM62 digital multimeter combines a rich feature set, precise measurements, and quality for exceptional value. The meter is easy to use and built to last, offering long-term stability for everyday use. It is the right choice for DIY, or for professionals installing and maintaining commercial electrical and electronic systems.</p>																	
<p>All the features you need in one tool:</p> <ul style="list-style-type: none"> Rich feature set ideal for various electrical applications. Safely check voltage using non-contact voltage detection. Measure both AC/DC voltage and AC/DC current (A, mA, μA). Diagnose faults with broad DMM test functions, including variable-frequency drive (low-pass filter), a voltage measurement range up to 600 V, resistance/continuity, and diode. 																	
<p>Fast, efficient troubleshooting and testing:</p> <ul style="list-style-type: none"> Intuitive and simple user interface for more effective and efficient troubleshooting and testing of electrical and electronic systems. One-handed operation—compact and ergonomic design with easy-to-access buttons. Simplify the task of checking wiring connections and switch operation in noisy work environments with a flashing backlight and audible indication. Easy-to-navigate on-screen menu system. 																	
<p>Tough, reliable, high quality:</p> <ul style="list-style-type: none"> High-quality measurements with long-term stability and reliability ensure many years of safe, accurate, and trouble-free operation. Take the meter with you anywhere: 2 m drop tested and IP40 rated. Work with peace of mind knowing your meter has a CAT IV—300 V, CAT III—600 V safety category rating. Make your job easier with helpful features including auto power off, a display backlight, Min/Max/Avg, relative mode, and data hold. 																	
<table border="1"> <thead> <tr> <th>Electrical measurement</th> <th></th> </tr> </thead> <tbody> <tr> <td>Display count</td> <td>6000</td> </tr> <tr> <td>AC/DC V</td> <td>600.0 V AC RMS or 600.0 V DC \pm 1%/0.4%</td> </tr> <tr> <td>AC/DC mV</td> <td>600.0 mV \pm 1%/0.4%</td> </tr> <tr> <td>VFD AC V</td> <td>600.0 V AC RMS, 10–100 Hz, \pm 1%</td> </tr> <tr> <td>AC/DC A</td> <td>10.00 A AC RMS or 10.00 A DC \pm 1.5%/1.0%</td> </tr> <tr> <td>AC/DC mA range</td> <td>600.0 mA \pm 1.0%/0.7%</td> </tr> <tr> <td>AC/DC μA range</td> <td>6000 μA AC RMS or 6000 μA DC \pm 1.5%/1.0%</td> </tr> </tbody> </table>		Electrical measurement		Display count	6000	AC/DC V	600.0 V AC RMS or 600.0 V DC \pm 1%/0.4%	AC/DC mV	600.0 mV \pm 1%/0.4%	VFD AC V	600.0 V AC RMS, 10–100 Hz, \pm 1%	AC/DC A	10.00 A AC RMS or 10.00 A DC \pm 1.5%/1.0%	AC/DC mA range	600.0 mA \pm 1.0%/0.7%	AC/DC μ A range	6000 μ A AC RMS or 6000 μ A DC \pm 1.5%/1.0%
Electrical measurement																	
Display count	6000																
AC/DC V	600.0 V AC RMS or 600.0 V DC \pm 1%/0.4%																
AC/DC mV	600.0 mV \pm 1%/0.4%																
VFD AC V	600.0 V AC RMS, 10–100 Hz, \pm 1%																
AC/DC A	10.00 A AC RMS or 10.00 A DC \pm 1.5%/1.0%																
AC/DC mA range	600.0 mA \pm 1.0%/0.7%																
AC/DC μ A range	6000 μ A AC RMS or 6000 μ A DC \pm 1.5%/1.0%																



FLIR DM62: TRMS Digital Multimeter with Non-contact Voltage

P/N: DM62

© 2020, FLIR Systems, Inc.

#DM62; r. 64380; en-US

Electrical measurement	
Resistance	60.00 M Ω \pm 0.9%
Continuity check threshold	30–480 Ω
Diode test	3.000 V \pm 0.9%
Measuring rate	5 samples per second
<i>Accuracy is given as \pm (% of reading)</i>	
Meter data	
Category rating	CAT IV—300 V, CAT III—600 V
IP rating	IP40
Drop test	2 m (6.6 ft.)
Warranty	https://www.flir.com/testwarranty
Calibration cycle	Once per year, recommended
Certifications	
Certifications	C-UL-US, CE, RCM
Safety standards compliance	IEC 61010-1 CAT IV—300 V, CAT III—600 V
Power system	
Power requirements	2 \times AAA batteries
Battery life, alkaline batteries	400 hours without backlight (alkaline batteries)
Auto power off	32 minutes
Environmental data	
Operating temperature	–10 to 50°C (14–122°F)
Operating humidity	80% to 31°C; decreasing linearly to 50% at 31–50°C
Storage temperature and relative humidity (RH)	–20 to 60°C (–4 to 140°F), 0–80% RH (without batteries)
Temperature coefficient	Nominal 0.15 \times (specified accuracy)/°C at –10°C to 18°C (14–64.4°F) or 28–50°C (82.4–122°F), or as otherwise specified
Operating altitude	2000 m (6560 ft.)
Pollution degree	2
EMC	EN61326-1
Meter physical data	
Weight	334 g (11.8 oz.)
Dimensions (L \times W \times H)	161 mm \times 80 mm \times 50 mm (6.3 in. \times 3.2 in. \times 2.0 in.)
Material	Polycarbonate/ABS
Color	Gray, black, and blue
Shipping information	
Packaging type	Color box with view of product in clamshell
Packaging contents	DM62 with integral probe holder, 2 \times alkaline batteries (AAA), high-quality silicone test leads, soft carrying case
Packaging weight	1.3 kg (2.9 lb.)
Packaging dimensions (H \times W \times L)	33 cm \times 14 cm \times 11 cm (13.0 in. \times 5.5 in. \times 4.3 in.)



FLIR DM62: TRMS Digital Multimeter with Non-contact Voltage

P/N: DM62

© 2020, FLIR Systems, Inc.

#DM62; r. 64380; en-US

Shipping information	
Carton weight	16.5 kg (36.4 lb.)
Carton dimensions (H x W x L)	65 cm x 30 cm x 56 cm (25.6 in. x 11.8 in. x 22.0 in.)
Carton quantity	12
EAN-13	0793950381625
UPC-12	793950381625
Country of origin	Taiwan
Tariff code	9030310000
Technical support	
Website	http://support.flir.com
Included in the box	
DM62 TRMS Multimeter with Integrated Test Lead Holder	
TA80 Premium Silicone Test Leads	
Soft carrying case	

Supplies & accessories:

- TA03-KIT; NiMH Rechargeable Battery Kit
- TA15; Universal Soft Sided Case
- TA16; Pouch for FLIR Multimeters
- TA50; Magnetic Hanging Strap for DM9x, IM7x Series
- TA70; CAT IV Insulated Alligator Probes
- TA80; CAT IV Silicone Test Leads