

# FLIR DM62/DM66™

## True RMS Digital Multimeters for Electrical and Field Service

The DM62 and DM66 digital multimeters combine a rich feature set, precise measurements, and quality construction into tools of exceptional value. The meters are easy to use and built to last, offering long term stability for everyday use. The DM62 offers the accuracy and range of measurement options you need, whether you're a professional or just need the right tool for DIY.

The DM66 has all the great features of the DM62 plus the added benefit of low impedance (LoZ) mode to prevent ghost voltage from delivering false readings. It measures frequency, diode, capacitance, and temperature, for a comprehensive feature set ideal for commercial electricians, automation field service, or electronics repair technicians.

Whichever one you choose, you'll get the job done fast and efficiently.



### ALL THE FEATURES YOU NEED IN ONE TOOL

Rich feature set ideal for various electrical applications

- Safely check voltage with non-contact voltage detection
- Measure both AC/ DC voltage and current (A, mA,  $\mu$ A)
- Diagnose faults with broad DMM test functions including variable-frequency drive (VFD) mode and voltage range up to 600 V

### FAST, EFFICIENT TESTING AND TROUBLESHOOTING

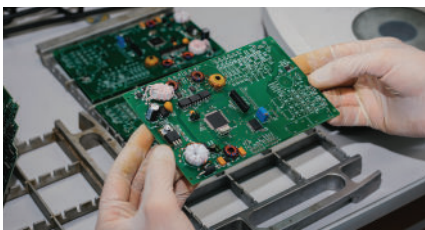
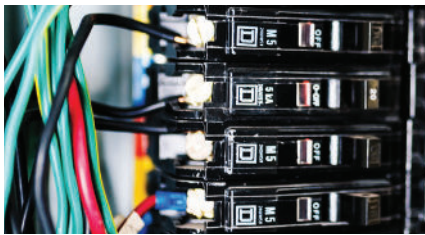
Intuitive and simple user interface for more effective and efficient troubleshooting and testing of electrical and electronic systems

- Operate the meter with one hand, thanks to compact design and easy-to-access buttons
- Work efficiently using integrated non-contact voltage detector with a flashing backlight and audible indicator
- Navigate the meter's on-screen menu system easily

### TOUGH, RELIABLE, HIGH QUALITY

High-quality measurements, long-term stability, and reliability ensure 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 CAT IV-300V, CAT III-600V Safety Category Rating
- Make your job easier with helpful features including auto power off, MIN-MAX-AVG, relative mode, and data hold



## FLIR DM62/DM66

Measurements by Meter	DM62	DM66	Additional Measurements	DM62	DM66
Capacitance	—	200.0 nF (±1.5%)	Continuity Check	30 Ω and 480 Ω	30 Ω and 480 Ω
	—	10.00 mF (±4.5%)	Measuring Rate	5 samples per second	5 samples per second
AC / DC LoZ Volts	—	600.0 V (±2.0%)	<b>General Information</b>		
Frequency Counter	—	50.00 kHz (±0.1%)	Auto Power Off	Yes	Yes
Temperature, Type-K Thermocouple	—	-40°F to 752°F (±1.0% + 2°F)	Battery	2 AAA batteries	2 AAA batteries
		-40°C to 400°C (±1.0% + 1°C)	Drop Test	2 m	2 m
<b>Measurements-Both Models</b>			IP Rating	IP40	IP40
True RMS		Yes	Safety Category Rating	CAT IV-300V, CAT III-600V	CAT IV-300V, CAT III-600V
	<b>Range</b>	<b>Basic Accuracy</b>	Size (H x W x L)	161 mm x 80 mm x 50 mm (6.3 in x 3.2 in x 2.0 in)	161 mm x 80 mm x 50 mm (6.3 in x 3.2 in x 2.0 in)
AC / DC Volts	600.0 V	±1.0% / 0.4%	Weight	334 g (11.8 oz)	334 g (11.8 oz)
AC / DC mVolt	600.0 mV	±1.0% / 0.4%	Warranty	Limited 3-year warranty	Limited 3-year warranty
VFD AC Volts	600.0 V	±1.0%	<b>Box Contents</b>		
AC / DC Amps	10.00 A	±1.5% / 1.0%		FLIR digital multimeter with integral probe holder, 2 AAA batteries, silicone test leads, soft carrying case	FLIR digital multimeter with integral probe holder, 2 AAA batteries, silicone test leads, alligator clips, soft carrying case
AC / DC mAmps	600.0 mA	±1.0% / 0.7%	<b>Ordering Information</b>		
AC / DC μAmps	6,000 μA	±1.5% / 1.0%		FLIR DM66 Electrical and Field Service TRMS Multimeter with VFD mode	793950381663
Resistance	6,000 MΩ	±0.9%		FLIR DM62 TRMS Digital Multimeter with Non-Contact Voltage	793950381625
Diode Test	3,000 V	±0.9%	For a complete list of available accessories, go to <a href="http://flir.com/store/instruments/testaccessories">flir.com/store/instruments/testaccessories</a>		
Specifications are subject to change without notice. For the most up-to-date specs, go to <a href="http://www.flir.com">www.flir.com</a>					

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[www.teledyneflir.com](http://www.teledyneflir.com)

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