

# DIGITAL MULTIMETER SELECTION GUIDE



 **FLIR**



Meter	FLIR DM62	FLIR DM64	FLIR DM66	FLIR DM166	FLIR DM90	FLIR DM91	FLIR DM284	FLIR DM285	FLIR DM92	FLIR DM93	FLIR IM75
Product Description	TRMS Digital Multimeter with Non-Contact Voltage	HVAC TRMS Digital Multimeter with Temperature	Electrical and Field Service TRMS Multimeter with VFD mode	Thermal Imaging TRMS Multimeter with IGM™	Industrial TRMS Multimeter with Temperature	Industrial TRMS Multimeter with Datalogging and Wireless Connectivity	Industrial Thermal Imaging Multimeter with IGM™	Industrial Thermal Imaging Multimeter with Datalogging, Wireless Connectivity and IGM™	High Accuracy Industrial Multimeter	High Accuracy Industrial Multimeter with Datalogging and Wireless Connectivity	Insulation Multimeter with Wireless Connectivity
Market	General Purpose	Professional			Industrial						Insulation
IGM Resolution	—	—	—	80 x 60	—	—	160 x 120	160 x 120	—	—	—
IGM Temperature Range	—	—	—	-10°C to 150°C (14°F to 302°F)	—	—	-10°C to 150°C (14°F to 302°F)	-10°C to 150°C (14°F to 302°F)	—	—	—
Display Counts/Type	6000/Backlit LCD	6000/Backlit LCD	6000/Backlit LCD	6000/2.4" TFT	6000/Backlit LCD	6000/Backlit LCD	6000/2.8" TFT	6000/2.8" TFT	40000/Backlit LCD	40000/Backlit LCD	40000/Backlit LCD
Bar Graph	—	—	—	•	•	•	•	•	•	•	•
Basic Accuracy	0.5%	0.5%	0.5%	0.5%	0.09%	0.09%	0.09%	0.09%	0.05%	0.05%	0.10%
True RMS AC/DC Voltage	600 V	600 V	600 V	600 V	1,000 V	1,000 V	1,000 V	1,000 V	1,000 V	1,000 V	1,000 V
True RMS AC/DC Current	10 A	10 A	10 A	10 A	10 A	10 A	10 A	10 A	10 A	10 A	—
AC/DC $\mu$ A Current	•	•	•	•	•	•	•	•	—	—	—
Resistance	60 M $\Omega$	60 M $\Omega$	60 M $\Omega$	60 M $\Omega$	50 M $\Omega$	50 M $\Omega$	50 M $\Omega$	50 M $\Omega$	40 M $\Omega$	40 M $\Omega$	—
Capacitance	—	10,000 $\mu$ F	10,000 $\mu$ F	10,000 $\mu$ F	10 mF	10 mF	10 mF	10 mF	40 mF	40 mF	10 mF
Frequency	—	50 kHz	50 kHz	50 kHz	100 kHz	100 kHz	100 kHz	100 kHz	100 kHz	100 kHz	40 kHz
Temperature	—	-40°C to 400°C (-40°F to 752°F)	-40°C to 400°C (-40°F to 752°F)	-40°C to 400°C (-40°F to 752°F)	-40°C to 400°C (-40°F to 752°F)	-40°C to 400°C (-40°F to 752°F)	-40°C to 400°C (-40°F to 752°F)	-40°C to 400°C (-40°F to 752°F)	-200°C to 1200°C (-328°F to 2192°F)	-200°C to 1200°C (-328°F to 2192°F)	—
Data Hold	•	•	•	•	•	•	•	•	•	•	•
Relative	•	•	•	•	•	•	•	•	•	•	—
Min/Max/Average	•	•	•	•	•	•	•	•	•	•	—
LoZ Mode	—	•	•	—	•	•	•	•	•	•	—
Peak	—	—	—	—	•	•	•	•	•	•	—
Low Pass Filter/VFD	•	•	•	•	•	•	•	•	•	•	•
Water Proof/Drop Proof	IP40	IP40	IP40	IP40/3 m	IP54/3 m	IP40/3 m	IP54/3 m	IP40/3 m	IP54/2 m	IP54/2 m	IP54/2 m
Non Contact Volt Detect (NCV)	•	•	•	•	•	•	•	•	—	—	—
Worklights	—	—	—	—	•	•	•	•	•	•	•
Data Storage	—	—	—	—	—	40000 readings	—	10 Files (40000 readings each) and 100 images	Store/Recall 99 readings	Store/Recall 99 readings	Store/Recall 99 readings
Bluetooth®/METERLiNK®	—	—	—	—	—	•	—	•	—	•	•
Safety Category	CAT III-600V CAT IV-300V	CAT III-600V CAT IV-300V	CAT III-600V CAT IV-300V	CAT III-600V CAT IV-300V	CAT III-1000V CAT IV-600V	CAT III-1000V CAT IV-600V	CAT III-1000V CAT IV-600V	CAT III-1000V CAT IV-600V	CAT III-1000V CAT IV-600V	CAT III-1000V CAT IV-600V	CAT III-1000V CAT IV-600V
MSRP	\$129.99	\$149.99	\$149.99	\$499.99	\$249.99	\$274.99	\$599.99	\$699.99	\$299.99	\$349.99	\$599.99

Specifications are subject to change without notice.  
For the most up-to-date specs, go to [www.flir.com](http://www.flir.com)



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NASDAQ: FLIR

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