



# FLIR IM75

## Insulation & DMM Combo with METERLiNK®

The FLIR IM75 is both an advanced multifunction digital multimeter and premier handheld insulation tester for installation, troubleshooting and maintenance professionals. The IM75 includes several specialty insulation modes including: Polarization Index, Dielectric Absorption and Earth Bond Resistance. Insulation tests can be performed instantly, continuously and over a timed duration for in-depth assessment.

### KEY FEATURES

- Advanced Insulation Modes: Insulation Resistance up to 20 GΩ, PI, DAR, Earth Bond Resistance
- Multiple ranges of resistance insulation test levels available via rotary switch: 50V, 100V, 250V, 500V, 1000V
- Multi-color LED indicator with Compare Mode makes pass/fail determinations easy and visible
- True RMS DMM measurements features reliable performance and 1000V range
- VFD Mode for superior accuracy on variable controlled drive equipment
- Remote viewing of real time readings on Android™ and iOS™ smartphones and tablets with METERLiNK® connectivity and free FLIR Tools Mobile app
- Transmit readings to METERLiNK-enabled FLIR thermal imaging cameras to document and analyze thermal changes during insulation measurements
- Extremely bright LED worklights in a flood pattern to illuminate test areas and targets
- Durable double-molded construction (IP54, 2m Drop Test)
- Ready for work with plenty of accessories: silicone CAT IV test leads with screw on silicone insulated alligator clips, and magnetic hanging strap

### INCLUDES

- TA81 CAT IV Silicone Insulated Test Probes with screw on insulated alligator clips, TA50 Magnetic hanging strap, 6 x AAA batteries, User manual/CD



## Specifications

TECHNICAL SUMMARY	MAX RANGE	BASIC ACCURACY
Insulation Resistance	4M to 20GΩ	±1.5%
Insulation Test Voltages	50, 100, 250, 500 and 1000V	±3.0%
DC Voltage	1000.0V	±0.1%
AC Voltage	1000.0V	±1.5%
VFD AC Voltage	1000.0V	±1.5%
Earth Bond Resistance	40Ω to 40KΩ	±1.5%
Capacitance	10 mF	±1.2%
Frequency (ACV)	40kHz	+/- 5 digits
Diode Test	2V	±1.5%
Continuity	400.0Ω	±0.5%
GENERAL INFORMATION		
IP Rating, Drop Test	IP 54, 2m (6.6')	
Category Rating	CAT III-1000V, CAT IV-600V	
Bluetooth Range	10m (32')	
Battery Type	6 x AAA	
Memory	99 internal storage locations	
Operating Temperature	32 to 122°F (0 to 50°C)	
Warranty	Limited Lifetime*	

\* When registered within 60 days of purchase.



IM75 Features powerful worklights



## Ordering Information

IM75... Insulation & DMM with VFD and METERLiNK™

IM75-NIST.....IM75 with Certificate of Traceability to NIST

## Accessories

TA10.....Protective case for DM9x and IM7x Series

TA50.....Magnetic Hanging Strap

TA70.....CAT IV Insulated Alligator Clips

TA80.....CAT IV Silicone Test Leads

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