DIGITAL MULTIMETER GUIDE
FIND THE RIGHT SOLUTION
FLIR is proud to offer a high-quality line of digital multimeters for every need, whether it’s for an industrial application or a DIY project. Our selection of digital multimeters now includes options with built-in thermal imaging — we call it IGM™ (Infrared Guided Measurement). FLIR tools enhanced with IGM give you the power to quickly identify the precise location of potential problems. IGM also helps you to identify failing components early so you can work faster, work smarter, and move on to the next job.
All-in-one digital multimeters and thermal imagers for fast inspections of industrial-electrical, mechanical, HVAC/R, and electronic systems.

**KEY FEATURES**
- Safely scan for issues with the built-in 160 x 120 FLIR thermal imager
- Operate easily with an intuitive menu system and a built-in worklight
- Troubleshoot complex high- and low-voltage applications with full-featured multimeter

**DM284/285 UNIQUE FEATURES**
- Connect wirelessly to FLIR Tools® or the new FLIR InSite™ workflow management app
- Save electrical parameter data and thermal images with onboard data storage
- See readings clearly on the TFT display with a wide viewing angle

**DM285**
- Non-contact voltage measurement
- Fully loaded measurement features for high- and low-voltage applications
- Save up to 10 sets of 40K scalar measurements or 100 images
- IGM button activates thermal imaging
- Send readings via METERLiNK® to compatible FLIR infrared cameras to embed data into live or saved thermal images
- Replace batteries without any tools
- IP54 splashproof
- Test-lead holder
- Send readings via METERLiNK® to compatible FLIR infrared cameras to embed data into live or saved thermal images
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The most affordable multimeter with built-in thermal imaging – a must-have tool for commercial electricians as well as automation, electronics, and HVAC/R technicians.

**KEY FEATURES**

- Safely scan for issues with the built-in 80 x 60 FLIR thermal imager
- Troubleshoot complex high- and low-voltage applications with full-featured multimeter
- Carefully measure voltage with integrated non-contact voltage detection
- Remove high-frequency noise that affects readings with VFD mode

DM166
IMAGING TRMS MULTIMETER WITH IGM™
DM90/91
TRMS MULTIMETERS WITH TYPE-K TEMPERATURE

Affordable, safe, and reliable multimeters for a wide range of electrical, electronic, and HVAC/R systems.

KEY FEATURES
- Diagnose complex systems with high- and low-voltage measurement capabilities
- Assess temperatures up to 400°C (752°F) with Type-K thermocouple
- Work safely with built-in, non-contact AC voltage
- User-friendly design with an intuitive interface and enhanced ergonomics
- Work longer with flexible battery options, powerful LED worklights, and rugged, drop-tested design

DM91 UNIQUE FEATURES
- Detect and document intermittent trends using the datalogging mode with on-board storage of 40k measurements
- Connect to FLIR infrared cameras or to mobile devices via Bluetooth® METERLINK® to embed data into live or saved thermal images
- Wirelessly connect to FLIR Tools™ or the FLIR InSite™ workflow management application, for efficient troubleshooting and streamlined inspections
DM92/93
TRMS INDUSTRIAL MULTIMETERS

World-class digital multimeters with advanced variable frequency drive filtering that accurately analyze non-sinusoidal waveforms and noisy signals.

KEY FEATURES
• View voltage and frequency together with dual display
• Eliminate ghost voltage error readings with low impedance (LoZ) mode
• See readings clearly with the display backlight
• Illuminate dimly lit areas with the powerful LED worklight
• Durable double-molded construction: IP54 rating, 3 m drop-tested
• Large, easy-to-read digits, backlit display, and analog bar graph

DM93 UNIQUE FEATURES
• Integrated Bluetooth technology connects to the FLIR Tools Mobile app on compatible mobile devices
• Send readings via Bluetooth® METERLiNK® to compatible FLIR infrared cameras to embed data into live or saved thermal images
• Data record captures electrical measurements and provides wireless data transfer

*DM93 model only
Meters of exceptional value that provide rich features, precise measurements, and quality construction for commercial electricians, automation field service professionals, electronics repair technicians, and even do-it-yourselfers.

**DM62/66**
TRMS DIGITAL MULTIMETERS FOR ELECTRICAL AND FIELD SERVICE

**KEY FEATURES**
- Measure both AC/DC voltage and current
- Safely check voltage with non-contact voltage detection
- Operate the meter with one hand, thanks to compact design and easy-access buttons

**DM66 UNIQUE FEATURES**
- Low impedance mode (LoZ) to prevent ghost voltage from delivering false readings
- Measure frequency, diode, and capacitance
- Measure temperature up to 400°C (752°F) with Type K thermocouple

Bright backlight
2 m drop-tested durability
Easy-to-navigate on-screen menu system
Non-contact voltage measurement
LoZ mode prevents false readings
Easy-access buttons for one-handed operation
Easy-to-navigate on-screen menu system
Non-contact voltage measurement
2 m drop-tested durability
View frequency
Non-contact voltage measurement
View frequency
Provides an unmatched feature set and high-quality measurements at an affordable price – perfect for professionals who install, inspect, and maintain HVAC/R systems.

**KEY FEATURES**

- Assess temperatures up to 400°C (752°F) with Type-K thermocouple
- Test flame sensors with microamps feature
- Readily and precisely identify live wires with probe-contact voltage detection
- Work quickly and comfortably thanks to user-friendly design, intuitive interface, and enhanced ergonomics
- Easily identify deviations from normal conditions by comparing new readings to stored data
- Navigate the meter’s on-screen menu system easily
- Swap batteries easily from the “no tool” battery compartment
IM75
INSULATION & DMM COMBO WITH METERLINK®

A premier handheld insulation tester and advanced multifunction digital multimeter for installation, troubleshooting, and maintenance professionals.

KEY FEATURES
- Multiple ranges of resistance insulation test levels available: 50 V, 100 V, 250 V, 500 V, 1000 V
- Send readings via METERLINK to compatible FLIR infrared cameras to embed data into live or saved thermal images
- Insulation modes: Polarization Index, Dielectric Absorption, and Earth Bond Resistance
- Bright LED worklights to illuminate test areas and targets
- Multi-color LED display with compare mode makes pass/fail determinations easy
- Durable double-molded construction: IP54 rating, 3 m drop-tested
## TEHNCIAL SPECIFICATIONS

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COMPLETE YOUR TOOLBAG

FLIR has a full line of products to make your job easier, including thermal cameras, voltage detectors, clamp meters, and IR thermometers.

Check out all that FLIR has to offer at www.flir.com/professional-tools

ACCESSORIES

FLIR has all the right accessories to help you maximize your benefits from your digital multimeter, including:

- Test leads
- Thermocouple probes
- Rechargeable battery kits for select meters
- Protective cases
- Flex current probe accessories

Check out all of FLIR’s multimeter-compatible accessories at www.flir.com/dmm-accessories