



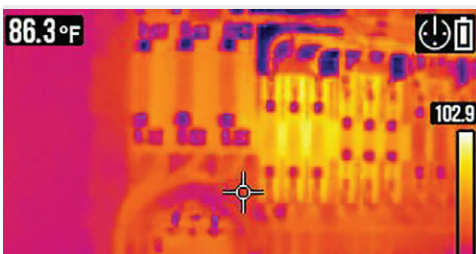
INDUSTRIAL IMAGING MULTIMETERS

FLIR DM284/285™

The FLIR DM284 and DM285 are industrial, all-in-one True RMS digital multimeters and thermal imagers that can show you exactly where a hot spot or temperature anomaly is for faster troubleshooting. Featuring Infrared Guided Measurement (IGM™) powered by a built-in 160 x 120 FLIR thermal imager, the meters visually guide you to the precise location of a problem. You'll pinpoint issues faster, more safely, and efficiently. Both multimeters are ideal for inspecting industrial-electrical, mechanical, HVAC/R, and electronic systems, and can be used for both benchtop electronics or in the field.

The DM285 uniquely features Bluetooth® which enables wireless data transfer by connecting to the FLIR Tools Mobile app on compatible mobile devices. The DM285 is also compatible with the new FLIR InSite™ workflow management tool that allows you to prepare efficient survey routes, maintain accurate documentation, share information with clients, and file instant reports.

flir.com/IGM-Multimeters



WORK SAFER AND SMARTER

Thermal imaging allows you to quickly scan for overheating system components, then use the DMM test functions to troubleshoot and diagnose the fault

- Identify energized and faulty equipment from a safe distance with non-contact temperature measurement
- Streamline inspections and simplify data collection, sharing, and reporting by wirelessly connecting to the FLIR InSite professional workflow management tool*
- Save electrical parameter data and thermal images with onboard data storage*

TROUBLESHOOT CHALLENGING PROBLEMS EFFECTIVELY

Fully loaded with features for high and low voltage applications

- Solve challenging problems with the 18-function DMM including VFD mode, True RMS, LoZ, NCV, a built-in worklight, and laser pointer
- Measure voltage, current, frequency, resistance, continuity, diode, capacitance, and temperature
- Operate easily with an intuitive menu system

DESIGN AND FUNCTIONALITY

An all-in-one tool that's built to last

- Rely on the meters' drop-tested durability in any working condition
- Change the battery quickly and easily with the 'no tool' battery compartment*
- See readings clearly on the TFT display with a wide viewing angle*

*DM285 Only.

SPECIFICATIONS

| Thermal Imaging | DM284 | DM285 | Additional Measurements | DM284 | DM285 |
|----------------------------------|------------------------------------|----------------------------------|---|---|--|
| IR Resolution | 160 x 120 (19,200 pixels) | 160 x 120 (19,200 pixels) | Continuity Check | 600 Ω | 20 Ω and 200 Ω |
| Thermal Imaging Detector | FLIR Lepton® microbolometer | FLIR Lepton® microbolometer | Measuring Rate | 3 samples per second | 3 samples per second |
| Temperature Sensitivity | ≤ 150 mK | ≤ 150 mK | Min/Max/Avg | Yes | Yes |
| Emissivity Settings | 4 presets with custom adjustment | 4 presets with custom adjustment | General Information | | |
| Temperature Accuracy | 3°C or 3.5% | 3°C or 3.5% | Connectivity | – | Bluetooth® |
| Temperature Range | 14°F to 302°F (-10°C to 150°C) | 14°F to 302°F (-10°C to 150°C) | Data Logging & Storage | – | 10 sets of 40K scalar measurements, 100 images |
| Field of View | 46° x 35° | 50° x 38° | Auto Power Off | Yes | Yes |
| Laser Pointer | Yes | Yes | Worklights | Yes | Yes |
| Focus | Fixed | Fixed | Display Size | 2.8 in TFT screen | 2.8 in TFT screen |
| Thermal Imaging Palette | Iron, Rainbow, Grayscale | Iron, Rainbow, Grayscale | Battery | 4 AAA batteries; optional TA04 Li-Poly rechargeable battery | 3 AA batteries; optional TA04 Li-Poly rechargeable battery |
| Level & Span | Auto | Auto | Drop Test | 3 m | 3 m |
| Measurements-Both Models | | | IP Rating | IP54 | IP40 |
| True RMS | Yes | | Safety Category Rating | CAT III-1000V, CAT IV-600V | CAT III-1000V, CAT IV-600V |
| | Range | Basic Accuracy | Size (L x W x H) | 200 x 95 x 49 mm (7.9 x 3.7 x 1.9 in) | 200 x 95 x 49 mm (7.9 x 3.7 x 1.9 in) |
| AC / DC Volts | 1000 V | ±1.0% / 0.09% | Weight | 537 g (18.9 oz) | 537 g (18.9 oz) |
| AC / DC mVolt | 600.0 mV | ±1.0% / 0.5% | Warranty | 10 year on product and detector | 10 year on product and detector |
| VFD AC Volts | 1000 V | ±1.0% | Box Contents | | |
| AC / DC LoZ V | 1000 V | ±2.0% | Multimeter, L91 lithium batteries, silicone test leads, test lead storage/tripod accessory, Type-K thermocouple, alligator probes, soft carrying case | | |
| AC / DC Amps | 10.00 A | ±1.5% / 1.0% | Ordering Information | | |
| AC / DC mAmps | 400.0 mA | ±1.5% / 1.0% | Order # | | |
| AC / DC μAmps | 4,000 μA | ±1.0% | FLIR DM285 Industrial Imaging Multimeter with Datalogging, Connectivity, IGM | 793950372876 | |
| Resistance | 6.000 MΩ 50.00 MΩ | ±0.9% ±3.0% | FLIR DM284 Imaging True RMS Industrial Multimeter with IGM | 793950372845 | |
| Capacitance | 10.00 mF | ±1.9% | For a complete list of available accessories, go to: flir.com/store/instruments/testaccessories | | |
| Diode Test | 1.500 V | ±0.9% | | | |
| Flex Clamp Range | 3000 A AC (Optional TA72/74) | ±3.0% + 5 digits | | | |
| Frequency Counter | 100.00 kHz | ±0.1% | | | |
| Temperature, Type-K Thermocouple | -40°F to 752.0°F -40°C to 400°C | ±1.0% + 5.4°F ±1.0% + 3°C | | | |

Specifications are subject to change without notice. For the most up-to-date specs, go to www.flir.com

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17-2459-INS-TAM



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