

FLIR DM284

Imaging Multimeter with IGM™



The FLIR DM284 Imaging Multimeter with IGM is a professional, all-in-one True RMS digital multimeter and thermal imager that can show you exactly where an electrical problem is to speed up troubleshooting. Featuring Infrared Guided Measurement (IGM) technology powered by a built-in 160x120 FLIR thermal imager, the DM284 visually guides you to the precise location of an electrical problem, helping you pinpoint hot spots faster and more efficiently. IGM enables you to scan panels, connectors, and wires without requiring any direct contact — so you can do your job from a safe distance. Once you find an issue with IGM, the DM284 can verify and confirm findings with advanced contact measurement features to help solve the most complex electrical issues. Ideal for field electronics, commercial electric, light industrial, field service, and HVAC work.

Pinpoint problems quickly and safely with IGM

Find more work by visually identifying electrical issues

- See exactly where to measure with the 160x120-resolution FLIR thermal imager
- All-in-one tool – carry just one device and always have access to thermal imaging
- Scan a panel or cabinet for hazards using IGM without direct contact

Troubleshoot challenging problems with ease

Verify electrical issues with trusted readings every time, even with complex measurements

- 18-function DMM including VFD mode, True RMS, LoZ, and NCV
- Thermocouple input
- View thermal and electrical thermocouple measurements simultaneously

Design and functionality vital to professionals

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

- Built-in worklights and a laser pointer help you access difficult locations with lighting issues and pinpoint the location of the problem in the thermal image
- Simple user interface and various thermal color palettes to choose from: Iron, Rainbow, Greyscale
- Durable and drop tested with 10-year warranty



Thermal scan of an electrical panel

Specifications

| Thermal Imaging | | |
|--|---|--|
| View Thermal and Electrical / Thermocouple Measurements Simultaneously | Yes | |
| Image Resolution | 19,200 pixels (160 x 120) | |
| Sensitivity | ≤ 150 mK | |
| Emissivity | 4 Presets with Custom Adjustment | |
| Accuracy | 3°C or 3.5% | |
| Range | 14°F to 302°F (-10°C to 150°C) | |
| FOV (w x h) | 46° x 35° | |
| Laser Pointer | Yes | |
| Focus | Fixed | |
| Palette | Iron, Rainbow, Greyscale | |
| Level & Span | Auto | |
| Measurements | Range | Accuracy |
| AC / DC Volts | 1000V | 1% / 0.09% |
| AC / DC mVolt | 600.0mV | 1% / 0.5% |
| VFD | 1000V | ±1.0% |
| AC / DC LoZ V | 1000V | ±1.5% |
| AC / DC Amps | 10.00A | ±1.5% |
| AC / DC mAmps | 600.0mA | ±1.5% |
| AC / DC μAmps | 4,000μA | ±1.0% |
| Resistance | 50 MΩ | 0.9% |
| Continuity | Yes | Yes |
| Capacitance | 10.00mF | 1.9% |
| Diode | Yes | Yes |
| Min/Max/Avg | Yes | Yes |
| Flex Clamp Range | 3000A AC (Optional TA72/74) | ± 3.0% + 5 digits |
| Frequency Range | 99.99kHz | 0.1% |
| Thermocouple | Type K -40°F to 752°F (-40°C to 400°C) | ±1.0% + 5.4°F (DMM) ±1.0% + 9°F (IGM) |
| General Meter | | |
| Drop Test | 3m | |
| Worklights | Yes | |
| Display Size | 2.8" | |
| Battery Life Minimum (all modes on) | 3 hrs Alkaline, 12 hrs optional rechargeable battery (TA04) | |
| Warranty | 10 year | |
| Auto Power Off | Yes | |
| Safety | CAT III 1000 V, CAT IV 600 V | |
| Size (H x W x L) | 200 x 95 x 49mm; Weight: 537g | |

| Ordering Information | UPC |
|--|--------------|
| FLIR DM284 Imaging True RMS Industrial Multimeter with IGM | 793950372845 |
| FLIR TA72 Universal Flex Current Probe Accessory 10"(25cm) | 793950377727 |
| FLIR TA74 Universal Flex Current Probe Accessory 18"(45cm) | 793950377741 |
| FLIR TA04-KIT Lithium Polymer Rechargeable Battery Kit | 793950377048 |
| FLIR TA15 Soft Sided Carrying Case | 793950377154 |
| FLIR TA52 Magnet Mount | 793950377529 |
| FLIR TA42 Belt Clip | 793950374207 |
| FLIR TA82 Premium Silicone Test Leads | 793950377802 |
| FLIR TA84 Test Lead Storage/Tripod Accessory | |
| FLIR TA10-F Protective Case for FLIR DMM's and TA7X | 793950377208 |
| FLIR TA70 Alligator Clips | 793950377703 |
| FLIR TA50 Magnetic Hanging Strap | 793950377505 |
| FLIR TA60 Thermocouple Probe with Adapter | |



Comes complete with Type K thermocouple, silicone test leads, CAT IV insulated alligator probes



Type K Thermocouple Input for differential temperature measurements



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