

# 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 to 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	400.0mA	±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	
IP rating	IP54	
Worklights	Yes	
Display Size	2.8"	
Battery Life Minimum (all modes on)	3 hrs Alkaline, 12 hrs optional rechargeable battery (TA04-KIT)	
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	



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



Type K Thermocouple Input for differential temperature measurements



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	793950377840
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	793950377604

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