

Fluke 279 FC True-RMS Thermal Multimeter



Fluke 279 FC



Find. Repair. Validate. Report.

The industry first Fluke 279 FC is a full-featured digital multimeter with integrated thermal imaging and is designed to increase your productivity and confidence. The thermal multimeter helps you find, repair, validate, and report many electrical issues quickly so that you are confident problems are solved.

- Full-featured multimeter with built-in thermal imager
- 15 measurement functions including: AC voltage with low-pass filter, DC voltage, Resistance, Continuity, Capacitance, Diode test, Min/Max/Avg, AC current (with iFlex™), Frequency
- Thermal imaging reveals many electrical issues quickly and safely, eliminating the need for time-consuming testing and validation
- Two-in-one tool is designed to increase productivity—no need to go back to the truck or office to retrieve a shared camera or wait for the thermographer. Do more in less time
- iFlex™ expands your measurement capabilities – get into tight, hard to reach spaces for current measurement (up to 2500 A AC)
- Save measurements and images while communicating wirelessly with a smart phone up to 6.1 meters away (no obstructions)
- Rechargeable lithium ion battery allows for a full work day (10+ hours) under normal conditions
- Image resolution: 80 × 60
- 8.89 cm (3.5 in) color LCD screen
- CAT III 1000 V, CAT IV 600 V measurement category
- Three-year warranty

Recommended Accessories



i2500-10
10 inch iFlex™ Flexible Current Probe



i2500-18
18 inch iFlex™ Flexible Current Probe



BC500
AC Power Charger



BP500
Lithium-Ion Battery 3000mAh battery



C280
Carrying Case

Recommended Kits

Bundle & Save



Fluke 279FC I/B TRMS Combo Kit

DMM	
Basic DC accuracy	0.09%
Bandwidth	1% 45 Hz to 65 Hz, full time low pass filter
Voltage	AC/DC 1000 V
Current AC	iFlex™ Flexible Current Probe (included with the 279 FC/iFlex™)
Resistance	50 MΩ
Frequency	100 kHz
Capacitance	9999 μF
Continuity with beeper	Yes
Diode test	Yes
Min/Max recording	Yes
Display Hold	Yes
Infrared Camera	
Infrared resolution	80 × 60
Image capture frequency	8 Hz
Field of View	36° (w) × 27° (h)
NETD	≤200 mK
Infrared spectral band	7.5 to 14 microns
Center point	Yes (with center point temp)
Focus mechanism	Fixed focus
Temperature Range	-10° C to 200° C (14° F to 392° F) Accuracy: ±5° C (±9° F) or (±5% as tested)
Emissivity	0.95 fixed
Background compensation	20° C fixed
Memory storage	Approximately 100 images (internal)
File format	Non-radiometric .is2
Other	
Battery type	Rechargeable lithium-ion battery (charge time: 4.5 hours)
Operating temperature	-10° C to 50° C (14° F to 122° F)
Storage temperature	-20° C to 60° C (-4° F to 140° F)
Relative humidity	0% to 90% (0° C to 35° C) (32° F to 95° F) 0% to 75% (35° C to 40° C) (95° F to 104° F) 0% to 45% (40° C to 50° C) (104° F to 122° F)
Altitude	2 000 meters (6,561 feet)
Temperature coefficient	Add 0.1 × specified accuracy for each° C above 28° C (82° F) or below 18° C (64° F)
Ingress Protection	IEC 60529: IP40
Certifications	CE, CSA, FCC ID: T68-FBLE
Safety compliance	IEC 61010-1: Pollution degree 2; IEC 61010-2-033: CAT III 1000 V/CAT IV 600 V
EMC	IEC 61326-1
Size	215.9 x 93.9 x 57.1 mm (8.5 x 3.7 x 2.25 in)
Weight	0.793 kg (1.75 lb)



Included Accessories

TL75 Test Leads, Rechargeable Lithium-ion Battery, Charger, 18-inch (45.72 cm) iFlex™ Flexible Current Probe, Hanging Strap, Soft Carrying Case.

279 FC I/B also includes: Additional Lithium-ion Battery.

Ordering Information

279 FC/iFlex TRMS Thermal Multimeter with iFlex™

Fluke 279FC I/B TRMS Thermal Multimeter with iFlex™ and Extra Battery Kit

Contact your local distributor for price and availability.

fluke.com/wtb