

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

FLUKE

Fluke 279FC I/B Wireless True RMS Thermal Multimeter with iFlex and extra battery

Fluke Industrial Test Equipment. Accuracy: 1 % rdg + 3 Digits, Resolution: 0.1 mV ac, Resolution: 102×77 pixels.



MODEL

Fluke 279FC I/B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

279FC I/B

LISTING

<https://aumictechlabs.com/products/279fc-i-b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fluke 279FC I/B is a wireless True RMS thermal multimeter combining digital multimeter functionality with integrated thermal imaging for comprehensive electrical diagnostics. The instrument delivers 15 measurement functions including AC voltage with low-pass filter, DC voltage, resistance, continuity, capacitance, diode test, frequency, and motor drive (ASD) measurements. True RMS computation ensures accuracy across distorted and uneven waveforms. An integrated thermal imager with 102×77 pixel resolution and 36° x 27° field of view detects hot spots and temperature anomalies from -10 °C to 200 °C across a 162:1 distance-to-spot ratio. The included iFlex current clamp extends AC current measurement capability to 2500 A in confined spaces, with the probe measuring 18 inches. Fluke Connect® wireless connectivity transmits results to smartphones within 20 meters in open air for remote analysis and reporting. The 3.5-inch color LCD displays thermal images and electrical readings simultaneously. Internal

memory stores up to 100 thermal images for later review and documentation. Dual rechargeable lithium-ion batteries provide 10+ hours operation, with automatic power-off conserving charge. Built to withstand 3-meter drops with double insulation and raised rubber holster protection. Assembled in the USA. Technical Specifications AC Voltage Measurement: Input Impedance: >10 MΩ 60 dB DC to 60 Hz Overload Protection: 1100 V rms Accuracy: 1 % rdg + 3 Digits Resolution: 0.1 mV ac Thermal Imaging: Temperature Range: -10 °C to 200 °C Resolution: 102×77 pixels Field of View: 36° (width) x 27° (height) Distance to Spot Ratio: 162:1 Frame Rate: 8 Hz Focus: Fixed Palette: Ironbow Key Features 15 measurement functions with True RMS accuracy iFlex current clamp rated to 2500 A AC Fluke Connect® wireless at 20 meters open-air range 100-image thermal storage with pre-save review 3.5-inch color LCD display Dual lithium-ion batteries (10+ hours operation) 3-meter drop rating with double insulation Typical Applications Electrical distribution diagnostics Motor and drive circuit troubleshooting Thermal hot-spot identification Current measurement in confined enclosures Compatibility & Integration iFlex current probe compatibility enables non-contact AC measurements up to 2500 A. Fluke Connect® integration facilitates wireless data transfer and smartphone-based documentation workflows.

Features & description

From manufacturer datasheet

Built-in thermal imager

iFlex AC current to 2500 A Dual battery I/B kit contents Fluke Connect wireless Full-time AC low-pass filter Technical Specifications Base Model: Fluke 279 FC Kit Contents Class: second BP500 battery included with charger AC Voltage Maximum: 1000 V DC Voltage Maximum: 1000 V DC Voltage Accuracy 6 To 600 V: plus or minus (0.09 percent plus 2) Resistance Maximum: 50.00 MOhm Capacitance Maximum: 9999 uF AC Current With iFlex Maximum: 2500 A Infrared Temperature Range: minus 10 C to 200 C Thermal Image Resolution: 102 × 77 Thermal Capture Frequency: 8 Hz Thermal Sensitivity NETD: less than or equal to 200 mK Field Of View: 36 degWx 27 degHImage Storage: up to 100 images internal Battery Life Minimum: 10 hours per battery Overvoltage Category: CAT III 1000 V CAT IV 600 V Size HxWxL: 5.7 cm x 9.4 cm x 21.6 cm Weight: 0.80 kg RF Communications: 2.4 GHz ISM Band Operating Temperature: minus 10 C to 50 C Alias Of: fluke-279fc Display Size: 8.9 cm diagonal Frequency Accuracy: plus or minus (0.1 percent plus 1) AC Voltage Accuracy 45 To 65 Hz: plus or minus (1.0 percent plus 3) Specification Ambient Class: laboratory ambient unless OEM table states otherwise Notes Alias of fluke-279fc for FLUKE-279FC I/B dual-battery kit labeling. Shared numeric table from Fluke 279 FC official technical data; confirm kit contents against packing list.

279FCIB Characteristics / Specifications

PARAMETER	VALUE
Base Model	Fluke 279 FC
Kit Contents Class	second BP500 battery included with charger
AC Voltage Maximum	1000 V
DC Voltage Maximum	1000 V
DC Voltage Accuracy 6 To 600 V	plus or minus (0.09 percent plus 2)
Resistance Maximum	50.00 MOhm
Capacitance Maximum	9999 uF
AC Current With iFlex Maximum	2500 A
Infrared Temperature Range	minus 10 C to 200 C
Thermal Image Resolution	102 × 77
Thermal Capture Frequency	8 Hz
Thermal Sensitivity NETD	less than or equal to 200 mK
Field Of View	36 degWx 27 degHImage Storage: up to 100 images internal
Battery Life Minimum	10 hours per battery
Overvoltage Category	CAT III 1000 V CAT IV 600 V
Size HxWxL	5.7 cm x 9.4 cm x 21.6 cm
Weight	0.80 kg
RF Communications	2.4 GHz ISM Band
Operating Temperature	minus 10 C to 50 C
Alias Of	fluke-279fc
Display Size	8.9 cm diagonal
Frequency Accuracy	plus or minus (0.1 percent plus 1)
AC Voltage Accuracy 45 To 65 Hz	plus or minus (1.0 percent plus 3)
Specification Ambient Class	laboratory ambient unless OEM table states otherwise

279FCIB Specifications

PARAMETER	VALUE
Fluke 279 FC I/B True RMS Thermal Multimeter Bundle	Overview
Fluke Connect wireless	Full-time AC low-pass filter
Technical Specifications	Base Model: Fluke 279 FC

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	minus 10 C to 50 C
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Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

specifications cover 102 x 77 thermal imaging, AC/DC to 1000 V, iFlex AC current to 2500 A, and CAT III 1000 V / CAT IV 600 V.

Applications

Same as 279 FC field electrical and thermal troubleshooting where dual-battery I/B kit contents are specified on the purchase or calibration paperwork.

Key Features

- Built-in thermal imager
- iFlex AC current to 2500 A
- Dual battery I/B kit contents
- Fluke Connect wireless
- Full-time AC low-pass filter

Technical Specifications

Technical Specifications

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Base Model	Fluke 279 FC
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DC Voltage Maximum	1000 V
DC Voltage Accuracy 6 To 600 V	plus or minus (0.09 percent plus 2)
Resistance Maximum	50.00 MOhm
Capacitance Maximum	9999 uF
AC Current With iFlex Maximum	2500 A
Infrared Temperature Range	minus 10 C to 200 C
Thermal Image Resolution	102 x 77
Thermal Capture Frequency	8 Hz
Thermal Sensitivity NETD	less than or equal to 200 mK
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Image Storage	up to 100 images internal
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RF Communications	2.4 GHz ISM Band
Operating Temperature	minus 10 C to 50 C

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Notes

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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.