

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

FLUKE

Fluke 369 FC True RMS Leakage Current Clamp Meter, 61 mm

The Fluke 369 FC True RMS Leakage Current Clamp Meter is a precision instrument designed to detect, document, and analyze leakage currents in electrical systems without taking equipment offline. It delivers True RMS readings across complex, non-sinusoidal waveforms and integrates Fluke Connect wireless connectivity for real-time data streaming to smartphones and tablets. Physical & Environmental Dimensions: 116 mm (W) × 257 mm (H) × 46 mm (D). Weight: 600 g. Rated IP30 jaw-closed protection. Operating temperature range: -10 °C to +50 °C; storage to -40 °C to +60 °C. Altitude operating limit: 2000 m; storage to 12000 m. Non-condensing humidity to 90% RH. Safety & Compliance CAT III 600 V / CAT IV 300 V rated. Pollution Level 2 per IEC 61010-1. EMC compliance: CISPR 11 Group 1 Class B for industrial environments. Aumictech offers NIST-traceable calibration and repair for the Fluke 369 F



MODEL

Fluke 369 FC

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

369 FC

LISTING

<https://aumictechlabs.com/products/369-fc-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fluke 369 FC True RMS Leakage Current Clamp Meter is a precision instrument designed to detect, document, and analyze leakage currents in electrical systems without taking equipment offline. It delivers True RMS readings across complex, non-sinusoidal waveforms and integrates

Fluke Connect wireless connectivity for real-time data streaming to smartphones and tablets.

Technical Specifications This meter measures alternating current across six ranges: 3 mA, 30 mA, 300 mA, 3 A, 30 A, and 60 A, with maximum resolution of 1 μ A (0.001 mA). The frequency range spans 40 Hz to 1 kHz with selectable 50/60 Hz filters to suppress external noise. Crest factor rating of 3 handles transient-rich waveforms. True RMS circuitry ensures valid readings on distorted AC signals. The 61 mm jaw diameter accommodates standard conductor sizes. Fully shielded jaw geometry minimizes electromagnetic interference while capturing very small leakage signals. Display features backlit LCD with Max/Min/Average data logging and hold function. Forward-facing LED worklight illuminates dark cabinet interiors.

Key Features Leakage current trending and historical comparison to identify intermittent GFCI and RCD trips Wireless data transfer via Bluetooth to iOS and Android devices running Fluke Connect app Data association with work orders, asset records, and custom reports Automatic 15-minute power-down conserves battery life Two AA alkaline batteries deliver >150 hours operation without backlighting

Physical & Environmental Dimensions: 116 mm (W) $\times$ 257 mm (H) $\times$ 46 mm (D). Weight: 600 g. Rated IP30 jaw-closed protection. Operating temperature range: -10 $^{\circ}$ C to +50 $^{\circ}$ C; storage to -40 $^{\circ}$ C to +60 $^{\circ}$ C. Altitude operating limit: 2000 m; storage to 12000 m. Non-condensing humidity to 90% RH.

Safety & Compliance CAT III 600 V / CAT IV 300 V rated. Pollution Level 2 per IEC 61010-1. EMC compliance: CISPR 11 Group 1 Class B for industrial environments.

Features & description

From manufacturer datasheet

Features

- True-RMS leakage measurements • 61 mm large jaw; fully shielded • 1 uA class resolution; up to 60 A
- Selectable filter; Max/Min/Average/Hold • Fluke Connect wireless • CAT III 600 V / CAT IV 300 V

Applications

- Leakage trending on larger conductors • Find intermittent GFCI/RCD trips • Predictive maintenance without taking equipment offline

369FC Characteristics / Specifications

PARAMETER	VALUE
Model	369 FC
Manufacturer	Fluke
Instrument Type	Leakage Current Clamp Meter
Alias	369 FC; Fluke 369 FC
AC ampere ranges	3 mA, 30 mA, 300 mA, 3 A, 30 A, 60 A
Jaw opening	61 mm
Display	3300 count; refresh 4/s
Size	116 × 257 × 46 mm
Weight	600 g
Battery	2x AA
Battery life class	more than 150 hours (backlight/spotlight off)
Safety	CAT III 600 V / CAT IV 300 V
Operating temperature	-10 to +50 C
Accuracy 60 A	2% + 5 digits
Frequency	40 Hz to 1 kHz Notes Specs from Fluke 368/369 FC datasheet. Confirm FC wireless enabled.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	10 to +50 C
Operating Temperature	10 to +50 C
Accuracy 60 A	2% + 5 digits
Frequency	40 Hz to 1 kHz Notes Specs from Fluke 368/369 FC datasheet. Confirm FC wireless enabled.

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

Specifications

PARAMETER	VALUE
Model	369 FC
Manufacturer	Fluke
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Specifications

PARAMETER	VALUE
AC ampere ranges	3 mA, 30 mA, 300 mA, 3 A, 30 A, 60 A
Jaw opening	61 mm
Display	3300 count; refresh 4/s
Size	116 x 257 x 46 mm
Weight	600 g
Battery	2x AA
Battery life class	more than 150 hours (backlight/spotlight off)
Safety	CAT III 600 V / CAT IV 300 V
Operating temperature	-10 to +50 C

Accuracy filter on 40-70 Hz (3 mA-30 A): 1% + 5 digits

Accuracy 60 A: 2% + 5 digits

Frequency: 40 Hz to 1 kHz

Notes

Specs from Fluke 368/369 FC datasheet. Confirm FC wireless enabled.

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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.