

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

FLUKE

Fluke PM6306 Automatic RCL Meter 100kHz

The Fluke/Philips PM6306 is an automatic RCL meter for component testing with programmable test frequencies from 50 Hz to 1 MHz, adjustable AC test levels, optional DC bias, contact check, and IEEE-488 or RS-232 remote options. It targets production and lab impedance measurements of resistors, capacitors, and inductors. Accuracy above 50 kHz (≥ 0.25 V): $0.1\% * (f/50 \text{ kHz}) \pm 1$ digit class Accuracy at low level (< 0.25 V, ≤ 50 kHz): $0.1\% * (0.25\text{V}/V_T) \pm 1$ digit class Internal DC bias: 0 to 10 V in 0.1 V steps Specs from Fluke/Philips PM6306/6304/6303A brochure data. Confirm installed interface/handler options on the unit.



MODEL Fluke PM6306	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU PM6306	LISTING https://aumictechlabs.com/products/pm6306-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fluke PM6306 automatic RCL meter is a versatile instrument used for measuring inductance, capacitance, and resistance. With a test frequency range from 50 Hz to 100 kHz, it can accurately characterize a wide variety of components. It features automatic range selection and provides clear and stable readings. Ideal for electronics manufacturing, service, and education.

Features & description

From manufacturer datasheet

Features

- Automatic RCL measurement modes
- Test frequencies to 1 MHz
- Adjustable AC test voltage
- Internal/external DC bias options
- Optional IEEE-488, RS-232, handler, and DC measurement kits

Applications

- Automatic R/C/L component inspection
- Production handler-connected testing
- Frequency-dependent impedance characterization to 1 MHz
- Lab component sorting with contact check

PM6306 Characteristics / Specifications

PARAMETER	VALUE
Model	PM6306
Manufacturer	Fluke / Philips
Instrument Type	Automatic RCL Meter
Alias	PM6306; Fluke PM6306; PM 6306
Test frequencies	50, 60, 100, 120 Hz; 200 Hz to 100 kHz in 100 Hz steps; 100 kHz to 1 MHz in 1 kHz steps
Test frequency accuracy	0.01%
AC test signal levels	50 mV to 2 V in 10 mV steps (via 100 ohm / 400 ohm paths per setting)
Internal DC bias	0 to 10 V in 0.1 V steps
External DC bias	0 to 40 V class
Contact check	Built-in
DC measurement option	PM9565
Handler interface option	PM9566
Max test frequency	1 MHz Notes Specs from Fluke/Philips PM6306/6304/6303A brochure data. Confirm installed interface/handler options on the unit.

PM6306 Specifications

PARAMETER	VALUE
Fluke PM6306 Automatic RCL Meter	Overview
Technical Specifications	Model: PM6306
Notes	Specs from Fluke/Philips PM6306/6304/6303A brochure data. Confirm installed interface/handler options on the unit.

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	
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Model	PM6306
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Instrument Type	Automatic RCL Meter
Alias	PM6306; Fluke PM6306; PM 6306
Specifications	
PARAMETER	VALUE
Test frequencies	50, 60, 100, 120 Hz; 200 Hz to 100 kHz in 100 Hz steps; 100 kHz to 1 MHz in 1 kHz steps
Test frequency accuracy	0.01%
AC test signal levels	50 mV to 2 V in 10 mV steps (via 100 ohm / 400 ohm paths per setting)
Basic measurement accuracy (normal mode, >=0.25 V, <=50 kHz): 0.1% +/-1 digit Accuracy above 50 kHz (>=0.25 V): 0.1% * (f/50 kHz) +/-1 digit class Accuracy at low level (<0.25 V, <=50 kHz): 0.1% * (0.25V/VT) +/-1 digit class	
Specifications	
PARAMETER	VALUE
Internal DC bias	0 to 10 V in 0.1 V steps
External DC bias	0 to 40 V class
Contact check	Built-in
IEEE-488 option kit: PM9548 RS-232 option kit: PM9549	
Specifications	
PARAMETER	VALUE
DC measurement option	PM9565
Handler interface option	PM9566
Max test frequency	1 MHz

Notes

Specs from Fluke/Philips PM6306/6304/6303A brochure data. Confirm installed interface/handler options on the unit.

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.