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Data Sheet

August 12, 2026

FLUKE

Fluke 6130B 3 Phase, Electrical Power Quality Calibrator

Fluke 6130B Three-Phase Electrical Power Quality Calibrator The Fluke 6130B is the three-phase configuration name in the 6100B/6105A electrical power calibrator family (master plus auxiliaries). It provides multi-phase voltage and current with harmonics, flicker, dips/swells, and energy options for calibrating three-phase power quality and energy instruments. The Fluke 6130B is the three-phase configuration name in the 6100B/6105A electrical power calibrator family (master plus auxiliaries). It provides multi-phase voltage and current with harmonics, flicker, dips/swells, and energy options for calibrating three-phase power quality and energy instruments.



MODEL

Fluke 6130B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

6130B

LISTING

<https://aumictechlabs.com/products/6130b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fluke 6130B is a three-phase electrical power quality calibrator engineered for precision calibration of power meters, energy analyzers, and power quality instruments. This modular system generates independent, synchronized AC voltage and current signals with exceptional accuracy, supporting both sinusoidal and complex distorted waveforms including harmonics, interharmonics, flicker, voltage dips, and swells. Technical Specifications Phase Configuration: Up to four independent, electrically isolated phases controlled by master unit Voltage Output: Up to

1008 V (sinusoidal); phantom power capability up to 50 VA from voltage terminals Current Output: Up to 21 A standard; optional 50 A or 80 A ranges with 100 mm sockets; up to 14 V peak compliance for long cable runs Frequency Range: Fundamental frequency minimum 16 Hz to 40 Hz (option dependent); harmonic frequency up to 3 kHz (50 A/80 A options) or 1.5 kHz (bandwidth limited) DC Component: Up to 50% of range addable to voltage and current (excludes 50 A and 80 A options) Harmonic Capability: Programmable distortion up to 63rd harmonicKey Features Voltage and current accuracy better than 0.005% (50 ppm) for sinusoidal waveforms Energy accuracy as good as 0.007% (66 ppm) one-year (sinusoidal waveforms) Phase accuracy: 0.003° (3 milli-degrees) for 6100B master unit Flexible system configuration - master units reconfigurable as auxiliary units Modulated and complex waveform generationTypical Applications Power meter calibration and verification Energy analyzer performance validation Power quality instrument testing Harmonics and interharmonics characterization Voltage event simulation (dips, swells, flicker)Compatibility & Integration Part of the Fluke 6100B/6105A series. System expandability via master and auxiliary unit combinations (6101B, 6106A, and equivalent configurations) enables multi-phase test setups.

Features & description

From manufacturer datasheet

Features

- Three-phase (extendable to four with neutral) family configuration
- Voltage to 1008 V; current options 20 A / 50 A / 80 A class
- Up to 99 harmonics class
- Energy meter inputs (family: six at 5 MHz class)
- IEEE-488.2 and USB

Applications

- Three-phase power quality instrument calibration
- Three-phase energy meter testing
- Wye/Delta and unbalance simulation
- IEC 61000-4 series PQ compliance stimulus

6130B Characteristics / Specifications

PARAMETER	VALUE
Model	6130B
Manufacturer	Fluke
Instrument Type	3-Phase Electrical Power Quality Calibrator
Alias	6130B; Fluke 6130B
Phases	3 (family supports 1-4)
Max voltage	1008 V
Max current options class	20 A, 50 A, or 80 A
Basic voltage accuracy class (single phase literature)	about 0.008%
Basic current accuracy class (single phase literature)	about 0.0094%
Phase accuracy class	about 0.003 deg
Basic power accuracy class	about 236 uW/W
Harmonics class	99
Energy meter inputs class	six, 5 MHz
Interfaces	IEEE-488.2, USB Notes Specs from Fluke 6130B vs 6003A comparison literature and 6100B family docs. Confirm exact master/auxiliary serials and current options installed.
Energy meter inputs (family	six at 5 MHz class)

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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Energy meter inputs class	six, 5 MHz
Interfaces	IEEE-488.2, USB

Notes

Specs from Fluke 6130B vs 6003A comparison literature and 6100B family docs. Confirm exact master/auxiliary serials and current options installed.

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.