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Data Sheet

August 15, 2026

DATRON

Datron 4808

Datron Wavetek 4808 8.5 Digit Multifunction Calibrator The Datron/Wavetek 4808 is the 8.5-digit member of the 4800-series multifunction calibrator family. OEM 4800-series brochure lists workload coverage to 8.5 digits, modular DC or AC voltage-only up to full DC/AC voltage, DC/AC current and resistance, 1100 V at 33 kHz or 750 V at 100 kHz volt-hertz product, 25 mA DC voltage-drive capability for low-impedance voltmeters, wideband frequency extension from 1 MHz to 30 MHz, and a transconductance amplifier to 11 A DC/AC. Intended to calibrate 7.5- and 8.5-digit DMMs such as Solartron 7061 and Wavetek 1271 while still running 3.5- to 6.5-digit throughput. The Datron/Wavetek 4808 is the 8.5-digit member of the 4800-series multifunction calibrator family. OEM 4800-series brochure lists workload coverage to 8.5 digits, modular DC or AC voltage-only up to full DC/AC voltage, DC/AC current and resistance, 1100 V at 33 kHz or 750 V at 100 kHz volt-hertz product, 25 mA DC voltage-drive capability for low-impedance voltmeters, wideband frequency extension from 1 MHz to 30 MHz, and a transconductance amplifier to 11 A DC/AC. Intended to calibrate 7.5- and 8.5-digit DMMs such as Solartron 7061 and Wavetek 1271 while still running 3.5- to 6.5-digit throughput. Primary electrical calibration of high-end DMMs and multifunction meters.



MODEL

Datron 4808

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

4808

LISTING

<https://aumictechlabs.com/products/4808-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Datron 4808 is a precision multifunction calibrator engineered for high-accuracy calibration of digital multimeters and test equipment up to 8.5 digits. It delivers DC voltage measurement to 1000 V with 7½-digit resolution and 10 nV sensitivity, AC voltage to 1000 V at 6½ digits with 100 nV resolution, and current measurement from 100 µA to 10 A (expandable to 11 A). Resistance measurement spans 10 Ω to 100 MΩ, with frequency generation from 10 Hz to 1 MHz. The instrument achieves ±1°C DCV accuracy of 1 + 0.15 ppm on 90-day specifications, with general accuracy of 0.0025% of reading plus 0.0015% of range. Technical Specifications DC Voltage: 0–1000 V, 7½-digit resolution, 10 nV minimum AC Voltage: 0–1000 V, 6½-digit resolution, 100 nV minimum DC Current: 100 µA–10 A (Option 40), 6½-digit resolution, 100 pA minimum AC Current: 100 mA–10 A (Option 40), 6½-digit resolution, 100 pA minimum Resistance: 10 Ω–100 MΩ (Option 50) Frequency: 10 Hz–1 MHz Output Impedance: 100 Ω (100 µV–100 mV ranges); 25 mA maximum (1 V–1000 V) Maximum Capacitive Load: 1000 pF (1 V–100 V ranges); 300 pF (1000 V) Display: 7½ digits Power Supply: 100–240 V AC, 50/60 Hz Key Features Autocal function ensures 24-hour specification compliance Shadow Calibration stores and verifies new calibration data before implementation Option 70 extends bandwidth to 3.5 V/30 MHz via Type N connector output IEEE-488, RS-232, and USB interfaces support automated remote control Modular architecture with configurable voltage, current, and resistance options Compact form factor: 285 × 88 × 383 mm, 4.5 kg Typical Applications Calibration laboratories and R&D environments requiring precision DMM verification and multi-function signal generation across DC, AC, and resistance domains. Compatibility & Integration Supported by the 4950 Multifunction Transfer Standard and operates with the 4600 Transducer Amplifier.

4808 Characteristics / Specifications

PARAMETER	VALUE
Model	4808
Instrument Type	8.5-digit multifunction calibrator
Family	Datron / Wavetek 4800 series
Scale Length	8.5 digits
Functions	DC/AC voltage, DC/AC current, resistance (full-function builds)
Volt Hertz High	1100 V at 33 kHz
Volt Hertz Mid	750 V at 100 kHz
Dc Drive	25 mA DC voltage drive
Wideband	1 MHz to 30 MHz wideband overlay
Current Boost	transconductance amplifier to 11 A DC/AC
Modular Path	DC or AC voltage-only upgradable to full function
Workload High	7.5- and 8.5-digit DMMs (Solartron 7061, Wavetek 1271 class)
Workload Volume	3.5- to 6.5-digit throughput
Manufacturer	Datron / Wavetek
Literature	Wavetek 4800-series multifunction calibrator brochure
Form Factor	benchtop/rack calibrator
Application Class	electrical calibration
System Role	multifunction DMM calibrator
Use Case	high-end DMM verification
Documentation Type	OEM 4800-series brochure
Sibling	4800A 7.5-digit full-function model
Interface Class	IEEE-488 on 4800-series
Output Class	voltage current resistance
Accuracy Class	best 4800-series multifunction calibrator
Brand Lineage	Datron Wavetek Fluke Calibration

4808 Specifications

PARAMETER	VALUE
Datron Wavetek 4808 8.5 Digit Multifunction Calibrator	Overview
Key Features	8.5-digit multifunction calibrator
Wideband to 30 MHz class	Transconductance to 11 A
Technical Specifications	Model: 4808

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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Notes

From Wavetek/Datron 4800-series brochure (4808 8.5-digit, 1100 V/33 kHz, 750 V/100 kHz, 25 mA drive, 30 MHz wideband, 11 A transconductance). 1-year uncertainty tables are in the 4808 specification; do not invent ppm figures.

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

788 S 500 E, Pleasant Grove, UT 84062
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<https://aumictechlabs.com>

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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.