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Data Sheet
August 1, 2026

FLUKE

Fluke 8024B Digital Multimeter

The Fluke 8024B is a solid digital multimeter designed for electronics troubleshooting and general-purpose measurements. It features a clear digital display, measures voltage, current, resistance, and includes diode test functionality. Ideal for field service, benchtop repair, and hobbyist use.

MODEL	CALIBRATION
Fluke 8024B	Available on request
CONDITION	**STATUS**
Used	In stock
RFQ / SKU	**LISTING**
8024B	https://aumictechlabs.com/products/8024b-2/

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

Power Source: Single 9 V battery (NEDA 1604) Battery Life: Alkaline 100 hours typical; zinc carbon 50 hours typical Operating Temperature: 0 °C to 50 °C Storage Temperature: -35 °C to +60 °C Line Operation: Compatible with Model A81 Battery Eliminator

Features & description

From manufacturer datasheet

Features

• Dual independent fiber-coupled CW sources • Simultaneous operation of both channels • Factory-installed LED or laser options (see option table) • Closed-loop power stability • Hardware current limit and transient protection • Removable/tilt-out bulkhead for connector cleaning • Class 1 laser product

8024B Characteristics / Specifications

PARAMETER	VALUE
Model	MPS-8024
Manufacturer	ILX Lightwave
Instrument Type	Dual-channel CW fiber optic source
Channels	2 (simultaneous, independent)
Operating Mode	Continuous wave only
User Adjustable Wavelength/Power	No (factory set)
Fiber	9/125 um standard
Connectors	FC/PC standard; FC/APC, SC/PC, SC/APC, ST options
Size (HxWxD)	2.6 in / 66 mm x 5.6 in / 142 mm x 9.0 in / 229 mm
Weight	typically 3.50 lb / 1.6 kg
Power	100-115 VAC or 220-240 VAC, 50-60 Hz, 35 W max (factory set; marked on rear)
Operating Temperature	10 to 40 C
Storage Temperature	-40 to 70 C
Humidity	less than 95% RH non-condensing
Fuse	1/8 A, 3AG, 250 V SLO-BLO Source Option Examples (Table 1.1; install-dependent) 013: 1310 nm LED +/-20 nm; typical -10.0 dBm / 100 uW; stability +/-0.1 dB / 15 min, +/-0.5 dB / 24 h 015: 1550 nm LED +/-20 nm; typical -17.0 dBm / 20 uW; +/-0.1 dB / 15 min, +/-0.5 dB / 24 h 113: 1310 nm FP +/-20 nm; typical 0.0 dBm / 1.0 mW; +/-0.03 dB / 15 min, +/-0.05 dB / 24 h 115: 1550 nm FP +/-20 nm; typical -3.0 dBm / 500 uW; +/-0.05 dB / 15 min, +/-0.1 dB / 24 h 213: 1310 nm DFB +/-20 nm; typical 0.0 dBm /
Power stability	Hardware current limit and transient protection - Removable/tilt-out bulkhead for connector cleaning - Class 1 laser product

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	40 to 70 C
Operating temperature	10 to 40 C
Operating Temperature	10 to 40 C
Humidity	less than 95% RH non-condensing
Fuse	1/8 A, 3AG, 250 V SLO-BLO Source Option Examples (Table 1.1; install-dependent) 013: 1310 nm LED +/-20 nm; typical -10.0 dBm / 100 uW; stability +/-0.1 dB / 15 min, +/-0.5 dB / 24 h 015: 1550 nm LED +/-20 nm; typical -17.0 dBm / 20 uW; +/-0.1 dB / 15 min, +/-0.5 dB / 24 h 113: 1310 nm FP +/-20 nm; typical 0.0 dBm / 1.0 mW; +/-0.03 dB / 15 min, +/-0.05 dB / 24 h 115: 1550 nm FP +/-20 nm; typical -3.0 dBm / 500 uW; +/-0.05 dB / 15 min, +/-0.1 dB / 24 h 213: 1310 nm DFB +/-20 nm; typical 0.0 dBm /

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	MPS-8024
Manufacturer	ILX Lightwave
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Power	100-115 VAC or 220-240 VAC, 50-60 Hz, 35 W max (factory set; marked on rear)
Operating Temperature	10 to 40 C
Storage Temperature	-40 to 70 C
Humidity	less than 95% RH non-condensing
Fuse	1/8 A, 3AG, 250 V SLO-BLO

Source Option Examples (Table 1.1; install-dependent)
013: 1310 nm LED +/-20 nm; typical -10.0 dBm / 100 uW; stability +/-0.1 dB / 15 min, +/-0.5 dB / 24 h
015: 1550 nm LED +/-20 nm; typical -17.0 dBm / 20 uW; +/-0.1 dB / 15 min, +/-0.5 dB / 24 h
113: 1310 nm FP +/-20 nm; typical 0.0 dBm / 1.0 mW; +/-0.03 dB / 15 min, +/-0.05 dB / 24 h
115: 1550 nm FP +/-20 nm; typical -3.0 dBm / 500 uW; +/-0.05 dB / 15 min, +/-0.1 dB / 24 h
213: 1310 nm DFB +/-20 nm; typical 0.0 dBm / 1.0 mW; +/-0.03 dB / 15 min, +/-0.05 dB / 24 h
Power stability after 1 hour warm-up; long-term at 25 C +/-1 C; short-term at constant 25 C.

Standard Operating Conditions
Warm up at least one hour before use (especially LEDs). Operate only with patchcord attached or bulkhead capped. Do not look into the beam.

Operational Notes
Source type is labeled above each bulkhead. Output is not optically isolated; add an external isolator if back-reflections cause instability. Period literature also cites short-term stability on the order of 0.05 dB for the 8012/8024 family depending on option.

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

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