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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 44702B

HP Agilent 44702B 13 Bit High Speed Voltmeter B Revision for 3852A The HP 44702B is the B-revision 13-bit high-speed voltmeter plug-in for the 3852A. OEM 3852A family tables group 44702A/44702B as high-speed DC voltmeters with autoranging DCV, current, and 2-wire/4-wire ohms and up to 100,000 readings per second on the A listing. 44702B is the later hardware revision of that high-speed voltmeter used with 44713A FET multiplexers. High-speed scanned DC measurements in 3852A systems specified with the 44702B voltmeter. The HP 44702B is the B-revision 13-bit high-speed voltmeter plug-in for the 3852A. OEM 3852A family tables group 44702A/44702B as high-speed DC voltmeters with autoranging DCV, current, and 2-wire/4-wire ohms and up to 100,000 readings per second on the A listing. 44702B is the later hardware revision of that high-speed voltmeter used with 44713A FET multiplexers. High-speed scanned DC measurements in 3852A systems specified with the 44702B voltmeter. Instrument Type: High-speed voltmeter plug-in Family Revision: B revision of 44702 high-speed voltmeter



MODEL

**Agilent / Keysight
44702B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

44702B

LISTING

<https://aumictechlabs.com/products/44702b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 44702B is a 13-bit high-speed voltmeter engineered for precision DC voltage and DC resistance measurements. It captures up to 100,000 readings per second,

enabling rapid data acquisition in measurement-intensive applications. The instrument performs DC voltage, DC resistance, strain, and temperature measurements. Current measurement capability is available with an external shunt resistor. Technical Specifications Resolution: 13-bit Measurement Speed: Up to 100,000 readings per second Voltage Accuracy (2.56 V range): $\pm (0.05\% + 1.88 \text{ mV})$ Key Features Multi-parameter measurement support: DC voltage, DC resistance, strain, and temperature Optional current measurement via external shunt resistor High-speed data acquisition for demanding test environments Integrates with data acquisition systems for signal conditioning and connectivity Typical Applications Precision DC voltage and resistance characterization Strain and temperature monitoring High-throughput sensor data collection Integration with automated measurement systems requiring 100,000+ samples per second Compatibility & Integration The 44702B functions as an interface module for data acquisition systems, providing connectivity and signal conditioning across multiple sensor types.

44702B Characteristics / Specifications

PARAMETER	VALUE
Model	44702B
Instrument Type	High-speed voltmeter plug-in
Host Mainframe	3852A
Family Revision	B revision of 44702 high-speed voltmeter
Related A Revision	44702A 13-bit high-speed voltmeter up to 100000 readings per second
Functions Family	DC V, I, and ohms
Ohms Modes Family	2-wire and 4-wire
Autoranging Family	yes
Related Mux	44713A 24-channel high-speed FET multiplexer
Form Factor	3852A plug-in
Manufacturer	HP Agilent Keysight
Use Case	high-speed DAQ voltmeter
Control	3852A programming
Operating Temperature Class	3852A mainframe
Literature	HP 3852A 44702A/44702B plug-in family
Year Introduced Class	44700 series
System Role	high-speed analog digitize on 3852A backplane
Related Integrating Dmm	44701A 5.5-digit integrating voltmeter
Documentation Type	OEM plug-in table
Brand Lineage	Hewlett Packard Agilent Keysight
Slot	3852A cardcage slot
Reading Rate Family	100000 readings per second class on 44702A listing
Scan With Fet Mux	100000 scans class with 44713A
Operating temperature	Class: 3852A mainframe

44702B Specifications

PARAMETER	VALUE
Applications	High-speed scanned DC measurements in 3852A systems specified with the 44702B voltmeter.
Autoranging DCV I ohms	3852A plug-in
Technical Specifications	Model: 44702B

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 3852A mainframe
Operating Temperature	Class: 3852A mainframe
Operating Temperature Class	3852A mainframe
Literature	HP 3852A 44702A/44702B plug-in family
Year Introduced Class	44700 series
System Role	high-speed analog digitize on 3852A backplane
Related Integrating Dmm	44701A 5.5-digit integrating voltmeter
Documentation Type	OEM plug-in table
Brand Lineage	Hewlett Packard Agilent Keysight
Slot	3852A cardcage slot
Reading Rate Family	100000 readings per second class on 44702A listing
Scan With Fet Mux	100000 scans class with 44713A Notes From HP 44702B identity as the B-revision high-speed voltmeter in the 44702A/B 3852A family. Memory depth and any B-only range changes are on the 44702B specification page and are not copied from 44702A.

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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Instrument Type	High-speed voltmeter plug-in
Host Mainframe	3852A
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Notes	
From HP 44702B identity as the B-revision high-speed voltmeter in the 44702A/B 3852A family. Memory depth and any B-only range changes are on the 44702B specification page and are not copied from 44702A.	

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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30-day returns
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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.