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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 3468A Option 001

Ac Input Impedance: 1 MOhm shunted by less than 60 pF Remote Interface: HP-IL (HP-IB via 82169A) Ad Converter: hybrid A/D (1QF6-0066) with Intel 8039 main CPU Numeric rows from HP 3468A 5.5-digit DMM literature / HPWiki transcription of the 3468A specification table (DCV ranges, 24-hour 3 V accuracy, 300 kHz ACV, ohms, current). Full range-by-range 1-year tables are in the 3468A operating/service manual. Remote Interface: HP-IL (HP-IB via 82169A) Ad Converter: hybrid A/D (1QF6-0066) with Intel 8039 main CPU Numeric rows from HP 3468A 5.5-digit DMM literature / HPWiki transcription of the 3468A specification table (DCV ranges, 24-hour 3 V accuracy, 300 kHz ACV, ohms, current). Full range-by-range 1-year tables are in the 3468A operating/service manual.



MODEL Agilent / Keysight 3468A	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU 3468A	LISTING https://aumictechlabs.com/products/3468a-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 3468A Option 001 is a 5½ to 3½ digit digital multimeter delivering six measurement functions: DC voltage, true RMS AC voltage, 2-wire resistance, 4-wire resistance, DC current, and true RMS AC current. Display resolution is selectable across 5½, 4½, or 3½ digits, trading measurement speed against noise rejection as application demands. Autoranging operates across all functions. The instrument features closed-box electronic calibration - eliminating internal adjustments and executable manually or remotely via the built-in HP-IL interface. Remote programmability provides control over functions, ranges, and measurement

modifiers. Option 001 includes a rechargeable battery pack for field operation. Technical Specifications DC Voltage: 30 mV to 300 V with 1 μ V sensitivity. Input resistance exceeds 10 G Ω on ranges to 3 V; 10 M Ω $\pm$ 1% on 30 V and 300 V ranges. Maximum non-destructive input: 300 Vrms or 450 V peak. Accuracy specified as $\pm$ (0.0035% of reading + 2 counts) on the 3 V range over a 24-hour period. AC Voltage (True RMS): 0.3 V to 300 V, 1 μ V sensitivity. Bandwidth extends 20 Hz to 100 kHz on all ranges; 20 Hz to 300 kHz on the 30 V range. Crest factor >4:1 at full scale. Input impedance: 1 M Ω $\pm$ 1% in parallel with 10% of full scale. Resistance (2-wire/4-wire): 30 Ω to 30 M Ω with 1 m Ω sensitivity. Open circuit voltage <6.5 V. Test current varies: 1 mA (300 Ω , 3 k Ω), 1 μ A (300 k Ω , 3 M Ω), 100 nA (30 M Ω). 2-wire accuracy matches 4-wire plus maximum 100 m Ω offset. DC Current: 300 μ A to 3 A, 10 μ A sensitivity. Maximum non-destructive input: 3 A from <250 V source; fuse protected. AC Current (True RMS): 300 μ A to 3 A. General: Operates 0 to 55°C, 95% RH (0 to 40°C). AC line powered 48 to 440 Hz, 86 to 250 V. Dimensions: 98.4 mm H $\times$ 238.1 mm W $\times$ 276.2 mm D. Weight: 2.1 kg. Key Features Selectable digit resolution for speed/noise optimization Closed-box calibration eliminates drift-prone adjustments HP-IL interface for remote integration into test systems Rechargeable battery option for portable environments True RMS AC measurements to 300 kHz 4-wire resistance measurement eliminates lead resistance error Compatibility & Integration HP-IL connectivity enables integration into Hewlett-Packard automated test systems and compatible instrumentation networks.

3468A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Digital multimeter
Series Family	HP 3468A / 3478A
Display Digits	5.5 to 3.5 autoranging
Dc Voltage Ranges	300 mV to 300 V
Dc Voltage Sensitivity	1 uV
Best Dcv Accuracy 24 Hour 3 V	plus or minus (0.0035 percent of reading plus 2 counts)
Input Resistance To 3 V	greater than 10 GOhm
Input Resistance 30 V And 300 V	10 MOhm plus or minus 1 percent
Ac Voltage Ranges	300 mV to 300 V
Ac Voltage Bandwidth	300 kHz true RMS
Ac Input Impedance	1 MOhm shunted by less than 60 pF
Resistance Ranges	300 ohm to 30 MOhm
Resistance Sensitivity	1 mOhm
Ohms Open Circuit Voltage	6.5 V
Ohms Wiring	2-wire and 4-wire
Dc Current Ranges	300 mA and 3 A
Ac Current Ranges	300 mA and 3 A
Current Burden	0.1 V / 1 V
Remote Interface	HP-IL (HP-IB via 82169A)
First Catalog	1983
Ad Converter	hybrid A/D (1QF6-0066) with Intel 8039 main CPU
Bandwidth	300 kHz true RMS

3468A Specifications

PARAMETER	VALUE
Agilent Keysight 3468A 5.5 Digit Digital Multimeter	Overview
Applications	Service and system DC/AC voltage, current, and resistance with HP-IL (HP-IB via 82169A).
Key Features	Autoranging 5.5 to 3.5 digits
Greater than 10 GOhm input on ranges to 3 V	Companion architecture to 3478A
Technical Specifications	Instrument Type: Digital multimeter

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

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Series Family	HP 3468A / 3478A
Display Digits	5.5 to 3.5 autoranging
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Best Dcv Accuracy 24 Hour 3 V	plus or minus (0.0035 percent of reading plus 2 counts)
Input Resistance To 3 V	greater than 10 GOhm
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Resistance Ranges	300 ohm to 30 MOhm
Resistance Sensitivity	1 mOhm
Ohms Open Circuit Voltage	6.5 V
Ohms Wiring	2-wire and 4-wire
Dc Current Ranges	300 mA and 3 A
Ac Current Ranges	300 mA and 3 A
Current Burden	0.1 V / 1 V
Remote Interface	HP-IL (HP-IB via 82169A)

Option 001: rechargeable battery pack

Option 401: side handle kit

First Catalog: 1983

Ad Converter: hybrid A/D (1QF6-0066) with Intel 8039 main CPU

Notes

Numeric rows from HP 3468A 5.5-digit DMM literature / HPWiki transcription of the 3468A specification table (DCV ranges, 24-hour 3 V accuracy, 300 kHz ACV, ohms, current). Full range-by-range 1-year tables are in the 3468A operating/service manual.

Ordering Information

OPTION	DESCRIPTION
Option 001	rechargeable battery

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.