


Aumictech

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 3403A

HP Agilent 3403A True RMS Voltmeter DC to 100 MHz The HP 3403A is the 1972 true-RMS voltmeter that measures DC, AC, and AC+DC to 100 MHz. HP Memory Project documentation states the 3403A combined true-RMS AC with AC+DC and DC, used the same 10 mV to 1000 V range set later standardized on 3403C, and offered optional dB, autoranging, and remote/BCD. True-RMS laboratory measurements of complex waveforms, RF millivolt work, and AC+DC RMS of signals with a DC component. True RMS AC plus DC and DC component measurement The HP 3403A is the 1972 true-RMS voltmeter that measures DC, AC, and AC+DC to 100 MHz. HP Memory Project documentation states the 3403A combined true-RMS AC with AC+DC and DC, used the same 10 mV to 1000 V range set later standardized on 3403C, and offered optional dB, autoranging, and remote/BCD. True-RMS laboratory measurements of complex waveforms, RF millivolt work, and AC+DC RMS of signals with a DC component. True RMS AC plus DC and DC component measurement 100 MHz bandwidth class shared with 3403C



MODEL

**Agilent / Keysight
3403A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

3403A

LISTING

<https://aumictechlabs.com/products/3403a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 3403A is a True RMS voltmeter combining bench and system measurement capabilities across AC, AC+DC, and DC domains. Its 3-digit display delivers direct readouts from DC through 100 MHz, covering audio, low RF, upper RF, and IF frequency bands. The instrument provides five AC+DC ranges and five DC ranges for precise low-frequency measurements, with

optional autoranging to streamline operator workflow.

Technical Specifications

Measurement Modes True RMS AC measurement AC+DC measurement (five ranges) DC measurement (five ranges) Frequency bandwidth: DC and 2 Hz to 100 MHz Display: 3-digit

Optional Features dB display for direct decibel readouts Autoranging capability Remote control interface BCD output for data logging and system integration

Key Features True RMS circuitry ensures accurate measurements of complex waveforms across the 2 Hz to 100 MHz bandwidth. The five AC+DC ranges extend low-frequency measurement capability while maintaining flexibility in DC-only applications via dedicated DC ranges. Optional BCD output and remote control enable seamless integration into automated test systems and production environments. The dB display option eliminates manual conversion for gain and loss measurements.

Typical Applications Audio frequency AC measurements Low RF and upper RF band analysis IF frequency characterization System-level AC/DC voltage monitoring with remote control Automated test sequences via BCD output interface

Compatibility & Integration The 3403A shares board assemblies with the 3403C model. Configuration upgrades from 3403A to 3403C are possible; however, isolated remote control and isolated BCD output features present in the 3403A will not maintain isolation in the upgraded 3403C configuration.

3403A Characteristics / Specifications

PARAMETER	VALUE
Model	3403A
Instrument Type	True RMS voltmeter
Functions	DC AC and AC plus DC
Successor Combined Model	3403C
Full Range Steps	10 mV 100 mV 1 V 10 V 100 V 1000 V
Ac Bandwidth Target	100 MHz
Display Digits Class	3.5
Input Impedance Class	highZvoltmeter input
Crest Factor Class	high crest factor true RMS
Db Option	readings in volts or dB with adjustable reference
Autoranging Option	available
Remote Option	remote programming and BCD outputs isolated or not
Input Connector	floating capable for DC and low frequency
Mechanical Package	benchtop
Manufacturer	HP Agilent Keysight
Frequency Response Class	2 Hz class to 100 MHz class per 3403 family
Response Time Class	1 s and 10 s family settings
Maximum Input Class	1000 V family
Analog Output Class	recorder output family
Catalog Introduction	1972 HP catalog
Catalog Replacement	3403C in 1973 catalog
Input Impedance Family	highZfloating input
Bandwidth	Target: 100 MHz

3403A Specifications

PARAMETER	VALUE
HP Agilent 3403A True RMS Voltmeter DC to 100 MHz	Overview
True RMS AC plus DC and DC component measurement	100 MHz bandwidth class shared with 3403C
Technical Specifications	Model: 3403A

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	3403A
Instrument Type	True RMS voltmeter
Functions	DC AC and AC plus DC
Successor Combined Model	3403C
Full Range Steps	10 mV 100 mV 1 V 10 V 100 V 1000 V
Ac Bandwidth Target	100 MHz
Display Digits Class	3.5
Input Impedance Class	highZvoltmeter input
Crest Factor Class	high crest factor true RMS
Db Option	readings in volts or dB with adjustable reference
Autoranging Option	available
Remote Option	remote programming and BCD outputs isolated or not
Input Connector	floating capable for DC and low frequency
Mechanical Package	benchtop
Manufacturer	HP Agilent Keysight
Frequency Response Class	2 Hz class to 100 MHz class per 3403 family
Response Time Class	1 s and 10 s family settings
Maximum Input Class	1000 V family
Analog Output Class	recorder output family
Catalog Introduction	1972 HP catalog
Catalog Replacement	3403C in 1973 catalog
Input Impedance Family	highZfloating input
Notes	
Identity from HP Memory Project 3403A/3403B/3403C history. Detailed accuracy tables belong on the 3403A operating manual matching the serial prefix; 3403C combined the 3403A/B specifications.	

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
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.