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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 400GL

The HP/Agilent 400GL is a wideband analog AC voltmeter. OEM 400GL listings specify 20 Hz to 4 MHz frequency range, dB ranges from -100 dB to +60 dB in 8 ranges, typical accuracy ± 0.4 dB, input impedance 10 M Ω on all ranges with capacitance less than 30 pF to less than 15 pF depending on range, and maximum input 1200 V rms / 1000 V dc. The meter uses a linear dB scale (100 divisions from -20 to 0 dB) and a logarithmic voltage scale with 0 dB = 1 V. Audio-to-HF AC level, gain, and attenuation measurements on amplifiers, filters, and communications circuits. Literature: HP Agilent 400GL AC voltmeter listings Family: HP 400 series analog AC voltmeters Brand Lineage: Hewlett Packard Agilent Keysight Use Case: audio and HF AC voltage measurement



MODEL

**Agilent / Keysight
400GL**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

400GL

LISTING

<https://aumictechlabs.com/products/400gl-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 400GL is a precision AC voltmeter engineered for signal measurement across the 20 Hz to 4 MHz frequency band. It delivers wide dynamic range dB measurements from -100 dB to +60 dB across eight selectable ranges, with typical accuracy of ± 0.4 dB. The instrument accommodates AC signals up to 1200 Vrms and DC inputs to 1000 Vdc, making it suitable for diverse RF and audio frequency applications. Technical Specifications Frequency Range: 20 Hz to 4 MHz AC Voltage Measurement: up to 1200 Vrms DC Voltage Measurement: up to 1000 Vdc dB Measurement Range: -100 dB to +60 dB (8 ranges) Input Impedance: 10 M Ω Input

Capacitance: <30 pF to <15 pF (range dependent) Measurement Accuracy: ± 0.4 dB (typical)
Weight: 5.50 lbsKey Features Dual-scale display: linear dB scale (100 divisions, -20 to 0 dB) and logarithmic voltage scale (0 dB = 1 V) Eight independent measurement ranges for optimized resolution across the -100 to +60 dB span High input impedance (10 M Ω) minimizes circuit loading in high-impedance applications Low input capacitance ensures measurement integrity at upper frequency limitsTypical Applications The 400GL serves applications requiring accurate voltage measurement in the audio and RF domains, including network analysis, signal tracing, and broadband frequency response characterization where dB-referenced measurements simplify gain and loss calculations.Compatibility & Integration No software or system integration specifications are documented for this model. The instrument operates as a standalone AC voltmeter. Standard coaxial connectors support industry-wide test setup configurations. This model is discontinued by the manufacturer.

400GL Characteristics / Specifications

PARAMETER	VALUE
Model	400GL
Instrument Type	AC voltmeter
Frequency Range	20 Hz to 4 MHz
Db Ranges	-100 dB to +60 dB in 8 ranges
Typical Accuracy	±0.4 dB
Input Impedance	10 MΩ on all ranges
Input Capacitance	less than 30 pF to less than 15 pF depending on range
Maximum Input Ac	1200 V rms
Maximum Input Dc	1000 V dc
Db Scale	linear dB scale, 100 divisions from -20 to 0 dB
Voltage Scale	logarithmic voltage scale, 0 dB = 1 V
High End Frequency	4.0 MHz
Manufacturer	HP Agilent Keysight
Literature	HP Agilent 400GL AC voltmeter listings
Family	HP 400 series analog AC voltmeters
Brand Lineage	Hewlett Packard Agilent Keysight
Form Factor	benchtop analog voltmeter
System Role	wideband AC level meter
Use Case	audio and HF AC voltage measurement
Documentation Type	OEM 400GL catalog listing
Year Class	HP 400 analog voltmeter family
Application Class	analog AC metrology
Meter Class	dB and logarithmic voltage analog display
Input Class	high impedance 10 MΩ AC voltmeter
Protection Class	1200 V rms / 1000 V dc maximum input

PARAMETER	VALUE
Calibration Class	analog dB scale 0 dB = 1 V
Vendor Path	HP Agilent Keysight

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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Input Impedance	10 MΩ on all ranges
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Maximum Input Ac	1200 V rms
Maximum Input Dc	1000 V dc
Db Scale	linear dB scale, 100 divisions from -20 to 0 dB
Voltage Scale	logarithmic voltage scale, 0 dB = 1 V
High End Frequency	4.0 MHz
Manufacturer	HP Agilent Keysight
Literature	HP Agilent 400GL AC voltmeter listings
Family	HP 400 series analog AC voltmeters
Brand Lineage	Hewlett Packard Agilent Keysight
Form Factor	benchtop analog voltmeter
System Role	wideband AC level meter
Use Case	audio and HF AC voltage measurement
Documentation Type	OEM 400GL catalog listing
Year Class	HP 400 analog voltmeter family
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Meter Class	dB and logarithmic voltage analog display
Input Class	high impedance 10 MΩ AC voltmeter
Protection Class	1200 V rms / 1000 V dc maximum input
Calibration Class	analog dB scale 0 dB = 1 V

PARAMETER	VALUE
Vendor Path	HP Agilent Keysight
Notes From HP/Agilent 400GL AC voltmeter listings (20 Hz-4 MHz, -100 to +60 dB in 8 ranges, 10 MΩ, ±0.4 dB typical, 1200 V rms / 1000 V dc max). Residual noise and exact range breakpoints are on the 400GL specification page.	

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.