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Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 400EL

The HP 400EL is the linear-dB sibling of the 400E AC voltmeter. OEM 400E/400EL Table 1-1 is shared: 1 mV to 300 V full scale in 12 ranges, 10 Hz to 10 MHz, average-responding rms calibration, 10 megohm input, 150 mV rms amplifier output into 50 ohms, and 1 V DC converter output at full scale. The 400EL meter has a linear dB scale with a logarithmic AC scale underneath. dB-oriented AC measurements from audio through 10 MHz and use a wideband AC-to-DC converter or amplifier. Linear dB scale with logarithmic AC scale Temperature Range: 0 to plus 55 C (except where noted on accuracy charts) External Battery: plus and minus 35 V to 55 V, 50 to 75 mA Dimensions: 6.5 in H by 5.125 in W by 11 in D (165.1 by 130.2 by 279.4 mm) From HP Models 400E/400EL AC Voltmeter Table 1-1. The only specified difference versus 400E is meter-scale arrangement (linear dB uppermost on 400EL).



MODEL

**Agilent / Keysight
400EL**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

400EL

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 400EL is a four-channel DC power supply delivering 400 W total output with independent channel control for testing, development, and manufacturing applications. Each channel provides up to 32 V and 10 A, with 160 W per-channel maximum. Series and parallel configurations extend capability to 128 V maximum or 40 A maximum respectively. The supply accepts 115 V or 230 V AC input (50–400 Hz), and features a compact 1U form factor suitable for bench and rack integration. Technical Specifications Output: 400 W total, 4 independent channels

Voltage per channel: 0–32 V maximum Current per channel: 0–10 A maximum Power per channel: 160 W maximum Series expandable to 128 V maximum; parallel expandable to 40 A maximum Input: 115/230 V AC (50–400 Hz) or 100–240 V AC (50/60/400 Hz) Output ripple and noise: 350 μ Vrms (E36200 Series specification) Transient response: Less than 50 μ s Line and load regulation: Better than 0.01% (E36200 Series) Output control accuracy: 0.03% voltage, 0.1% current (E36200 Series) Power dissipation: 5 W maximum

Key Features Dual-range input voltage support (115 V or 230 V AC, 50–400 Hz) Backlit LCD or 7-inch color display with individual channel knobs Color-coded channels for rapid identification Over voltage, over current, and over temperature protection Output sequencing and list mode for pre-defined sequences Adjustable slew rate to control inrush current Output tracking for synchronized channel operation Remote sensing (2-wire and 4-wire support) Data logging for measurement capture and storage

Interfaces and Integration LAN, USB, and GPIB (optional) connectivity LXI compliant for standardized instrument control Accurate programming and readback across all channels

Typical Applications Power supply testing, device characterization, automated manufacturing test, and multi-output system validation requiring stable voltage and current with fast transient response and low noise.

400EL Characteristics / Specifications

PARAMETER	VALUE
Model	400EL
Instrument Type	AC voltmeter / dB meter
Voltage Range	1 mV full scale to 300 V full scale in 12 ranges
Db Scale	minus 10 to plus 2 dB, 10 dB between ranges
Frequency Range	10 Hz to 10 MHz
Calibration	responds to absolute average value, calibrated in rms volts
Input Impedance Low Ranges	10 megohms shunted by less than 25 pF on 1 mV to 1 V ranges
Input Impedance High Ranges	10 megohms shunted by less than 12 pF on 3 V to 300 V ranges
Amplifier Ac Output	150 mV rms for full scale meter indication (105 mV on 1 mV range)
Amplifier Output Impedance	50 ohms, 10 Hz to 10 MHz
Amplifier Accuracy	plus or minus 10%, 10 Hz to 4 MHz
Ac To Dc Converter Output	1 V DC for full scale meter deflection
Converter Output Resistance	1000 ohms plus or minus 5%
Converter Response Time	1 second to within 1% of final value for a step change
Accuracy 3 Mv To 300 V 40 Hz To 2 Mhz	plus or minus (1% of full scale plus 1% of reading) class per Table 1-1
Line Power	115 or 230 V plus or minus 10%, 50 to 400 Hz, 5 W
Temperature Range	0 to plus 55 C (except where noted on accuracy charts)
External Battery	plus and minus 35 V to 55 V, 50 to 75 mA
Net Mass	6 lb (2.7 kg)
Shipping Mass	8 lb (4 kg)
Dimensions	6.5 in H by 5.125 in W by 11 in D (165.1 by 130.2 by 279.4 mm)
Sibling Model	400E (linear AC scale)

400EL Specifications

PARAMETER	VALUE
HP Agilent 400EL AC Voltmeter dB Meter	Overview
Applications	dB-oriented AC measurements from audio through 10 MHz and use as a wideband AC-to-DC converter or amplifier.
Key Features	Linear dB scale with logarithmic AC scale
External battery terminals	10 dB steps between ranges
Technical Specifications	Model: 400EL

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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Notes

From HP Models 400E/400EL AC Voltmeter Table 1-1. The only specified difference versus 400E is meter-scale arrangement (linear dB uppermost on 400EL).

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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NIST-traceable calibration · SAM registered ·
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.