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Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

HP / AGILENT

HP / Agilent 4262A Digital LCR Meter

The 4262A is a 3.5-digit microprocessor-based digital LCR meter with automatic ranging and equivalent-circuit selection. Three test frequencies (120 Hz or optional 100 Hz, 1 kHz, and 10 kHz) coverwide span of L, C, and R values including ESR measurements enhanced by the 10 kHz spot. Internal DC bias: 1.5 V, 2.2 V, 6 V (+/-5%) Measurement time class: about 220 to 260 ms Power: 100/120/220 V +/-10%, 240 V +/-10%, 48-66 Hz; about 55 VA Specs from HP 4262A literature / HP Journal Dec 1977 class sources. Confirm options on the unit.



MODEL

HP / Agilent 4262A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

4262A

LISTING

<https://aumictechlabs.com/products/4262a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The HP/Agilent 4262A is a digital LCR meter for precision measurement of inductance, capacitance, resistance, dissipation factor, and quality factor across component testing and production environments. Fully automatic ranging selects optimal measurement range and equivalent circuit mode - series or parallel - while front-panel offset adjustments compensate for stray capacitance (0 to 10 pF) and residual inductance (0 to 1 μ H) of test fixtures. The instrument delivers 0.2% to 0.3% basic accuracy with a 3½ digit LED display and supports multiple measurement frequencies: 120 Hz (or 100 Hz with Option 010), 1 kHz, and 10 kHz at $\pm 3\%$ frequency accuracy. Technical Specifications Measurement Parameters: Inductance (L), Capacitance (C), Resistance (R), Dissipation Factor (D), Quality Factor (Q) Equivalent Circuit Modes: Series and Parallel Measurement Ranges: Capacitance 0.01 pF to 19.99 mF; Inductance

0.01 μ H to 1999 H; Resistance 1 m Ω to 19.99 M Ω Frequencies: 120 Hz (or 100 Hz with Option 010), 1 kHz, 10 kHz at $\pm 3\%$ accuracy Basic Accuracy: 0.2% to 0.3% of reading Test Signal Level: 1 V RMS (0.05 V RMS in Cp mode) Internal DC Bias: 1.5 V, 2.2 V, 6 VDC ($\pm 5\%$) External DC Bias: Up to +40 VDC maximum Measurement Speed: 1 kHz/10 kHz: 120–260 ms (C/L), 120–160 ms (R); 120/100 Hz: 900 ms (C/L), 700 ms (R) Ranging Time: 1 kHz/10 kHz: 180 ms/step; 120/100 Hz: 670 ms/step Reading Rate: ~ 30 ms internal trigger; external trigger available Warm-up Time: 15 minutes Temperature Coefficient: Accuracy doubles between 0–55°C relative to 23°C $\pm 5^\circ\text{C}$ Key Features Automatic and manual ranging modes Internal self-test capability for functional verification Deviation measurements display difference between stored and measured values Offset adjustments for test fixture stray capacitance and residual inductance Typical Applications Electrolytic and ceramic capacitor testing, filter coil measurement, pulse transformer characterization, dry cell internal resistance, semiconductor junction capacitance, and standard LCR component analysis. Compatibility & Integration Option 001: BCD Data Output Option 004: Digital Comparator (GO/NO-GO testing) Option 010: 100 Hz lower test frequency Option 101: IEEE-488 GPIB Interface (incompatible with Options 001 and 004)

Features & description

From manufacturer datasheet

Features

- Fully automatic range and circuit-mode selection
- Three test frequencies including 10 kHz for low-value C/L and ESR
- Internal DC bias 1.5 / 2.2 / 6 V; external bias to +40 V
- Deviation measurement and self-test
- Optional BCD, comparator, and HP-IB

Applications

- Discrete LCR component measurement
- Electrolytic and ceramic capacitor ESR
- RF coils, batteries internal resistance, semiconductor junction C
- Production comparator testing with Option 004

4262A Characteristics / Specifications

PARAMETER	VALUE
Model	4262A
Manufacturer	HP / Agilent
Instrument Type	Digital LCR Meter
Alias	4262A; Agilent 4262A; HP 4262A
Display	3.5 digit (max 1999)
Test frequencies	120 Hz (100 Hz Opt 010), 1 kHz, 10 kHz (+/-3%)
Test signal normal	1 Vrms
Test signal low (Cp)	50 mVrms
Basic accuracy	0.2% to 0.3%
C range	0.01 pF to 19.99 mFLRange: 0.01 uH to 1999 HRange: 1 mohm to 19.99 MohmDrange: 0.001 to 19.9
Q range	0.05 to 1000
Internal DC bias	1.5 V, 2.2 V, 6 V (+/-5%)
External DC bias	0 to +40 V
Measurement time class	about 220 to 260 ms
Power	100/120/220 V +/-10%, 240 V +/-10%, 48-66 Hz; about 55 VA
Operating temperature	0 to 55 C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 55 C
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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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Measurement time class	about 220 to 260 ms

Warm-up: 15 minutes

Power: 100/120/220 V +/-10%, 240 V +/-10%, 48-66 Hz; about 55 VA

Operating temperature: 0 to 55 C

Option 001: BCD data output

Option 004: comparator

Option 010: 100 Hz instead of 120 Hz

Option 101: HP-IB (not with 001/004)

Notes

Specs from HP 4262A literature / HP Journal Dec 1977 class sources. Confirm options on the unit.

Ordering Information

OPTION	DESCRIPTION
Option 004	Key Features

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

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788 S 500 E, Pleasant Grove, UT 84062
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<https://aumictechlabs.com>

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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.