

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

July 30, 2026

WAYNE KERR

Wayne Kerr 6440A Precision Component Analyzer WITH Q42

Wayne Kerr 6440A Precision Component Analyzer The Wayne Kerr 6440A Precision Component Analyzer is used for production and design testing of passive components, especially capacitors, inductors, resistors, and general impedance measurements. Public distributor references describe the 6440A as a 20 Hz to 3 MHz precision component analyzer with 0.02% basic measurement accuracy, 12 measurement functions, up to 20 measurements per second, and a GPIB interface. The analyzer is intended for both fast automatic production testing and complete design characterization of passive components. It is suitable for capacitor manufacturers, passive component designers, manufacturing test environments, materials evaluation, and circuit designers assessing component characteristics. The Wayne Kerr 6440A Precision Component Analyzer is used for production and design testing of passive components, especially capacitors, inductors, resistors, and general impedance measurements. Public distributor references describe the 6440A as a 20 Hz to 3 MHz precision component analyzer with 0.02% basic measurement accuracy, 12 measurement functions, up to 20 measurements per second, and a GPIB interface. The analyzer is intended for both fast automatic production testing and complete design characterization of passive components. It is suitable for capacitor manufacturers, passive component designers, manufacturi

No photo

MODEL

Wayne Kerr 6440A

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

6440A

LISTING

**Off-catalog — OEM dat
asheet only**

NIST-traceable cal

SAM registered

30-day returns

Features & description

From manufacturer datasheet

Features

- Frequency range of 20 Hz to 3 MHz
- 0.02% basic measurement accuracy
- 12 measurement functions
- Up to 20 measurements per second
- GPIB interface
- Automatic resonant frequency calculation for components
- Series and parallel equivalent circuit measurements
- External DC bias capability

6440A Characteristics / Specifications

PARAMETER	VALUE
Model	6440A
Instrument Type	Precision Component Analyzer
Frequency Range	20 Hz to 3 MHz
Basic Accuracy	0.02%
Measurement Functions	12
Measurement Parameters	L, Z, Rdc, C, C+R, C+D, C+Q, L+R, L+Q, X+R, X+D, X+Q, C+G, B+G, B+D, B+Q, Z + Phase Angle, Y + Phase Angle
Measurement Speed	4 selectable speeds, up to 20 measurements per second for test frequencies ≥ 100 Hz
Drive Level (Rdc)	100 mV or 1 V with 100 ohm source resistance
Internal DC Bias Supply	2 V with rapid charge capacitor bias
External DC Bias Voltage	Up to ± 60 V via rear panel
Interface	GPIB
Display	High contrast monochrome LCD
Power Supply	30 V AC $\pm 10\%$ or 115 V AC $\pm 10\%$ selectable
Mains Frequency	50/60 Hz
Power Consumption	150 VA maximum Popular Configurations 6440A 6440A WK1005/WK2605 Notes Some manufacturer-family references publicly available online are for the Wayne Kerr 6400 series and the later 6440B variant. These family references align with distributor descriptions of the 6440A and are included here to preserve useful technical coverage when a direct public PDF is not available.

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.

characteristics.

Key Features

- Frequency range of 20 Hz to 3 MHz
- 0.02% basic measurement accuracy
- 12 measurement functions
- Up to 20 measurements per second
- GPIB interface
- Automatic resonant frequency calculation for components
- Series and parallel equivalent circuit measurements
- External DC bias capability

Technical Specifications

Technical Specifications

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Model	6440A
Instrument Type	Precision Component Analyzer
Frequency Range	20 Hz to 3 MHz
Basic Accuracy	0.02%
Measurement Functions	12
Measurement Parameters	L, Z, Rdc, C, C+R, C+D, C+Q, L+R, L+Q, X+R, X+D, X+Q, C+G, B+G, B+D, B+Q, Z + Phase Angle, Y + Phase Angle
Measurement Speed	4 selectable speeds, up to 20 measurements per second for test frequencies >= 100 Hz
Drive Level (Rdc)	100 mV or 1 V with 100 ohm source resistance
Internal DC Bias Supply	2 V with rapid charge capacitor bias
External DC Bias Voltage	Up to +/-60 V via rear panel

Measurement Ranges - R, Z: 0.01 mOhm to > 2 GOhm

Measurement Ranges - G, Y: 1 nS to > 2 kS

Measurement Ranges - L: 0.1 nH to > 2 kH

Measurement Ranges - C: 1 fF to > 1 F

Measurement Ranges - D: 0.00001 to > 1000

Measurement Ranges - Q: 0.00001 to > 1000

Measurement Ranges - Rdc: 0.1 mOhm to > 10 MOhm

Specifications

PARAMETER	VALUE
Interface	GPIB
Display	High contrast monochrome LCD
Power Supply	30 V AC +/-10% or 115 V AC +/-10% selectable

PARAMETER	VALUE
Mains Frequency	50/60 Hz
Power Consumption	150 VA maximum

Popular Configurations

6440A

6440A WK1005/WK2605

Notes

Some manufacturer-family references publicly available online are for the Wayne Kerr 6400 series and the later 6440B variant. These family references align with distributor descriptions of the 6440A and are included here to preserve useful technical coverage whenadirect public PDF is not available.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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<https://aumictechlabs.com>

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30-day returns
NAICS 423690 · 811210 · 541380
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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.