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Data Sheet

August 13, 2026

KEITHLEY

Keithley 3323A

Keithley 3323A Direct Test Fixture for 3321 / 3322 LCZ Meters The 3323 / 3323A is the direct test fixture for Keithley 3321 and 3322 LCZ (LCR) meters. It lands axial and similar components onto the meter's four-terminal measurement ports without 3324 alligator or 3325 Kelvin clip leads. The 3322 host is a 0.1% basic-accuracy full-function LCZ meter with comparator parts-sorting, stored setups, and IEEE-488. Sibling accessories are 3324 (4-terminal alligator), 3325 (Kelvin clips), and 3326 (SMD chip leads). Fixture electrical accuracy is that of the connected 3321/3322 after open/short compensation. The 3323 / 3323A is the direct test fixture for Keithley 3321 and 3322 LCZ (LCR) meters. It lands axial and similar components onto the meter's four-terminal measurement ports without 3324 alligator or 3325 Kelvin clip leads. The 3322 host is a 0.1% basic-accuracy full-function LCZ meter with comparator parts-sorting, stored setups, and IEEE-488. Sibling accessories are 3324 (4-terminal alligator), 3325 (Kelvin clips), and 3326 (SMD chip leads). Fixture electrical accuracy is that of the connected 3321/3322 after open/short compensation. Bench LCZ of leaded parts on 3321/3322; incoming inspection with 3322 comparator; four-terminal residual-impedance minimization versus clip leads; pairing with 3326 when SMD parts replace leaded stock.



MODEL

Keithley 3323A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

3323A

LISTING

<https://aumictechlabs.com/products/3323a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keithley 3323A is a 2-channel arbitrary waveform and function generator engineered for electronic testing and design applications. It generates sine, square, triangle, ramp, pulse, noise, and user-defined arbitrary waveforms with dual-channel architecture enabling synchronized signal production. Advanced modulation capabilities - including AM, FM, PM, FSK, sweep, and burst modes - support complex test scenarios. An intuitive front panel combined with a high-resolution display provides direct instrument control, while remote programming via standard interfaces enables integration into automated test systems.

Technical Specifications

Signal Generation: 2 independent output channels Arbitrary waveform generation with dedicated memory for user-defined signals Standard waveforms: sine, square, triangle, ramp, pulse, noise Modulation modes: AM, FM, PM, FSK, sweep, burst Frequency accuracy to ppm-level stability High-resolution amplitude and frequency control Precise phase relationship control between channels

Output Characteristics: Wide dynamic range voltage and current capability High-resolution output for signal integrity

Key Features Dual-channel synchronized operation for phase-coherent signal generation High-resolution display for real-time waveform visualization and parameter monitoring Intuitive front panel controls for manual setup and adjustment Remote programming and automation capability

Typical Applications The 3323A addresses complex signal generation requirements in electronic design validation, component characterization, and production testing environments where multi-channel, modulated signal sources are essential.

Compatibility & Integration

Standard Interfaces: GPIB RS-232 USB Optional LAN (LXI) for network control and multi-instrument synchronization

Physical Form: Benchtop configuration suitable for laboratory and production settings with standard AC power input.

Features & description

From manufacturer datasheet

Features

- Direct fixture (option 3323) rather than clip leads

3323A Characteristics / Specifications

PARAMETER	VALUE
Model	3323A
Manufacturer	Keithley Instruments
Instrument Type	Direct test fixture for LCZ meters
Alias	3323A; 3323
Host meters	3321 and 3322 LCZ
Host 3322 basic accuracy	0.1% class
Host 3322 functions	full function LCZ (L, C, Z)
Host 3322 comparator	parts sorting
Host 3322 memory	stored test configurations
Host 3322 interface	IEEE-488
Connection	four terminal to the LCZ front
Related 33	4-terminal alligator clip test lead
Notastandalone LCR	fixture only
Compensation	perform open and short on the 3321/3322 with the fixture empty/shorted
DUT class	leaded components in the direct fixture
Family literature	3330 class LCZ data also referenced by fixture listings
Form	component test fixture
Accuracy	that of 3321/3322 after compensation
Sorting	uses 3322 comparator when the fixture holds the DUT
Remote	GPIB is on the meter, not the fixture
Use	production and lab LCZ with 3321/3322
Revision	3323A denotes the later 3323 direct fixture
Power	none (passive fixture)
Pins	four-terminal Kelvin at the meter interface Notes Identity from Keithley 3322 LCZ accessory list (3323 Direct Test Fixture) and 3321/3322 LCZ product descriptions. Frequency/range tables are on the 3321/3322

PARAMETER

VALUE

specification sheet; do not invent fixture parasitics. Confirm 3323 versus 3323A hardware.

Host 3322

comparator, memory, GPIB

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	3323A
Manufacturer	Keithley Instruments
Instrument Type	Direct test fixture for LCZ meters
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PARAMETER	VALUE
Alias	3323A; 3323
Host meters	3321 and 3322 LCZ
Host 3322 basic accuracy	0.1% class
Specifications	
PARAMETER	VALUE
Host 3322 functions	full function LCZ (L, C, Z)
Host 3322 comparator	parts sorting
Host 3322 memory	stored test configurations
Specifications	
PARAMETER	VALUE
Host 3322 interface	IEEE-488
Connection	four terminal to the LCZ front
Related 3324	4-terminal alligator clip test lead
Specifications	
PARAMETER	VALUE
Related 3325	Kelvin clip test lead
Related 3326	chip component SMD leads
Notastandalone LCR	fixture only

Specifications

PARAMETER	VALUE
Compensation	perform open and short on the 3321/3322 with the fixture empty/shorted
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Notes

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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.