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Data Sheet

August 7, 2026

KEYSIGHT

Keysight (Agilent) 1671E Timing Benchtop Logic Analyzer, 102-Channel, 100 MHz State, 250 MHz

Keysight (Agilent) 1671E Timing Benchtop Logic Analyzer, 102-Channel, 100 MHz State, 250 MHz The HP/Agilent/Keysight 1671E is a 102-channel benchtop color logic analyzer in the 1670E deep-memory Series. It provides 100 MHz state analysis and conventional timing to 125 MHz all channels / 250 MHz half-channel, with 1M samples per channel (2M in timing half-channel mode)—suited to long captures in embedded microprocessor debug. Complex embedded debug; long software/hardware interaction captures; deep-memory state and timing analysis. The HP/Agilent/Keysight 1671E is a 102-channel benchtop color logic analyzer in the 1670E deep-memory Series. It provides 100 MHz state analysis and conventional timing to 125 MHz all channels / 250 MHz half-channel, with 1M samples per channel (2M in timing half-channel mode)—suited to long captures in embedded microprocessor debug. Complex embedded debug; long software/hardware interaction captures; deep-memory state and timing analysis.

No photo

MODEL Keysight 1671E	CALIBRATION N/A — off-catalog OEM datasheet
CONDITION See OEM documentation	STATUS Not listed on Aumictech inventory
RFQ / SKU 1671E	LISTING Off-catalog — OEM dat asheet only

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

Features & description

From manufacturer datasheet

Features

- Channels: 102 state/timing
- State analysis: 100 MHz, all channels; 4 state clocks/qualifiers
- Conventional timing: 125 MHz all channels; 250 MHz half channels
- Memory depth: 1M per channel standard; 2M in timing half-channel mode
- With time tags on: ~500K; compare mode on: ~250K; compare + tags: ~120K (family table)
- Display: VGA color flat panel; mouse/front-panel UI
- Storage: ~2 GB hard drive; 1.44 MB DOS floppy
- I/O: Centronics, RS-232, HP-IB; Ethernet LAN standard (Ethertwist/ThinLan)
- Programmability: HP-IB, RS-232, LAN; X11/FTP support
- Related: 1670E (136 ch), 1672E (68 ch) same performance class

1671E Characteristics / Specifications

PARAMETER	VALUE
Model	1671E
Manufacturer	Keysight Technologies (Agilent / HP)
Instrument Type	Benchtop Logic Analyzer
Family	1670E Series
Alias	1671E; Agilent 1671E; HP 1671E Digital Capture 102 ch; 100 MHz state; 125/250 MHz timing; 1M/2M memory Operational Notes Prefer HP 1660E/1670E Series technical data. Deep memory is the primary differentiator versus 1660E Series.
Channels	102 state/timing
State analysis	100 MHz, all channels; 4 state clocks/qualifiers
Conventional timing	125 MHz all channels; 250 MHz half channels
Memory depth	1M per channel standard; 2M in timing half-channel mode
With time tags on	~500K; compare mode on: ~250K; compare + tags: ~120K (family table)
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1671E Specifications

PARAMETER	VALUE
Applications	Complex embedded debug; long software/hardware interaction captures; deep-memory state and timing analysis.
Key Features	- Channels: 102 state/timing
Technical Specifications	Model: 1671E
Digital Capture	102 ch; 100 MHz state; 125/250 MHz timing; 1M/2M memory
Operational Notes	Prefer HP 1660E/1670E Series technical data. Deep memory is the primary differentiator versus 1660E Series.

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.

performance class

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	1671E
Manufacturer	Keysight Technologies (Agilent / HP)
Instrument Type	Benchtop Logic Analyzer
Family	1670E Series
Alias	1671E; Agilent 1671E; HP 1671E

Digital Capture

102 ch; 100 MHz state; 125/250 MHz timing; 1M/2M memory

Operational Notes

Prefer HP 1660E/1670E Series technical data. Deep memory is the primary differentiator versus 1660E Series.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
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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.