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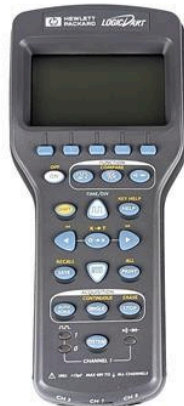
**Data Sheet**

August 15, 2026

AGILENT / KEYSIGHT

# Agilent / Keysight E2310A Advanced Logic Probe

HP Agilent Keysight E2310A Advanced Logic Probe The Agilent E2310A is an advanced logic probe for HP/Agilent logic-analyzer families (16700/16800/16900 class). OEM logic-analyzer accessory catalogs list E2310A Advanced Logic Probe for high-density, high-speed state/timing capture with the analyzer pod interface. State and timing acquisition on dense digital buses where flying-lead or advanced probe topology is required. Works with 16700/16800/16900 class analyzers The Agilent E2310A is an advanced logic probe for HP/Agilent logic-analyzer families (16700/16800/16900 class). OEM logic-analyzer accessory catalogs list E2310A Advanced Logic Probe for high-density, high-speed state/timing capture with the analyzer pod interface. State and timing acquisition on dense digital buses where flying-lead or advanced probe topology is required. Works with 16700/16800/16900 class analyzers Host Analyzers: 16700 16800 16900 class logic analyzers



MODEL

**Agilent / Keysight  
E2310A**

CALIBRATION

**Available on  
request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**E2310A**

LISTING

<https://aumictechlabs.com/products/e2310a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

## This unit

The Agilent/Keysight E2310A Advanced Logic Probe (LogicDart) consolidates timing analysis, logic monitoring, and general-purpose measurements into a single probe instrument. Designed for embedded systems debugging, bus activity monitoring, and timing verification in microprocessor and FPGA applications, it delivers three channels of simultaneous logic capture at 100 MSa/s with 10 ns timing resolution and 15 ns glitch detection. Beyond digital signal analysis, the instrument

functions as a multimeter - measuring DC voltage to  $\pm 35.00$  V, frequency to 33 MHz, resistance, and supporting diode and continuity tests. Ten waveform storage slots enable quick reference comparisons, while dual-cursor measurement capability pinpoints timing events to nanosecond precision. Logic activity displays through LEDs and audible feedback for high, low, and tristate conditions across TTL, CMOS, ECL, and custom threshold families.

**Technical Specifications**

Channels: Three channels of timing and logic monitoring Sampling Rate: 100 MSa/s Timing Resolution: 10 ns Glitch Detection: 15 ns minimum pulse width Logic Families: TTL, CMOS, ECL, custom thresholds Waveform Storage: Ten captured displays with recall Input Impedance:  $1\text{ M}\Omega \parallel \sim 13\text{ pF}$  Maximum Input Voltage: 40 V to ground DC Measurement:  $3\frac{1}{2}$  digits,  $\pm 35.00$  V range,  $\pm (0.5\% + 2\text{ counts})$  accuracy at  $23\text{ }^{\circ}\text{C} \pm 5\text{ }^{\circ}\text{C}$ ,  $0.1/^{\circ}\text{C}$  temperature coefficient Frequency Measurement: Up to 33 MHz Resistance Measurement: Supported Diode Test: Supported Continuity Test: Supported with audible feedback

**Key Features** Single probe integrates logic analysis, multimeter functions, and timing diagnostics Waveform comparison against known-good references across 2048 points Simultaneous DC voltage and frequency display without mode switching Visual and audible logic state indication Cursor-based timing measurements between events Optional HP thermal printer support for documentation

**Typical Applications** Embedded systems and microprocessor debug FPGA timing verification Digital bus activity monitoring Signal integrity and glitch detection Voltage and frequency verification in logic circuits

**Compatibility & Integration** Compatible with external logic analyzers for multi-channel capture Includes carrying case, probe kit, AC adapter, batteries, and calibration certificate User's Guide: Part Number E2310-90401 Product Status: Discontinued by Keysight; legacy support available

## E2310A Characteristics / Specifications

| PARAMETER                   | VALUE                                        |
|-----------------------------|----------------------------------------------|
| Model                       | E2310A                                       |
| Instrument Type             | Advanced logic probe                         |
| Host Analyzers              | 16700 16800 16900 class logic analyzers      |
| Capture Modes               | state and timing                             |
| Interface                   | logic analyzer probe/pod interface           |
| Manufacturer                | HP Agilent Keysight                          |
| Use Case                    | high-density digital acquisition             |
| Form Factor                 | handheld/probe assembly                      |
| Literature                  | Agilent E2310A Advanced Logic Probe listings |
| Related Flying Leads        | 01700-series probe accessories               |
| Operating Temperature Class | 0 to 55 C laboratory                         |
| Input Threshold Class       | programmable from host analyzer              |
| Channels                    | determined by probe/analyzer pod             |
| InputRClass                 | logic-analyzer probe impedance               |
| Max Voltage Class           | logic-analyzer probe rating                  |
| Cable                       | analyzer pod cable                           |
| Ground                      | probe ground leads                           |
| Related Soft Touch          | later U42xx Soft Touch probes                |
| Brand Lineage               | Hewlett Packard Agilent Keysight             |
| Documentation Type          | OEM datasheet and catalog specifications     |
| Numeric Source              | verified OEM tables only no invented limits  |
| Catalog Status              | HP Agilent Keysight catalog instrument       |
| Operating temperature       | Class: 0 to 55 C laboratory                  |

# E2310A Specifications

| PARAMETER                                       | VALUE                                                                                                         |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| HP Agilent Keysight E2310A Advanced Logic Probe | Overview                                                                                                      |
| Applications                                    | State and timing acquisition on dense digital buses where flying-lead or advanced probe topology is required. |
| State and timing capture                        | Works with 16700/16800/16900 class analyzers                                                                  |
| Technical Specifications                        | Model: E2310A                                                                                                 |

## General Specifications & Supplementary Characteristics

| PARAMETER                   | VALUE                                                                                                                                                                                                                                                       |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating temperature       | Class: 0 to 55 C laboratory                                                                                                                                                                                                                                 |
| Operating Temperature       | Class: 0 to 55 C laboratory                                                                                                                                                                                                                                 |
| Operating Temperature Class | 0 to 55 C laboratory                                                                                                                                                                                                                                        |
| Input Threshold Class       | programmable from host analyzer                                                                                                                                                                                                                             |
| Channels                    | determined by probe/analyzer pod                                                                                                                                                                                                                            |
| InputRCClass                | logic-analyzer probe impedance                                                                                                                                                                                                                              |
| Max Voltage Class           | logic-analyzer probe rating                                                                                                                                                                                                                                 |
| Cable                       | analyzer pod cable                                                                                                                                                                                                                                          |
| Ground                      | probe ground leads                                                                                                                                                                                                                                          |
| Related Soft Touch          | later U42xx Soft Touch probes                                                                                                                                                                                                                               |
| Brand Lineage               | Hewlett Packard Agilent Keysight                                                                                                                                                                                                                            |
| Documentation Type          | OEM datasheet and catalog specifications                                                                                                                                                                                                                    |
| Numeric Source              | verified OEM tables only no invented limits                                                                                                                                                                                                                 |
| Catalog Status              | HP Agilent Keysight catalog instrument Notes Identity from Agilent/Keysight E2310A Advanced Logic Probe catalog listings. Channel count, bandwidth, and threshold numbers are those of the host logic analyzer plus this probe; see the E2310A probe guide. |

# 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                                                                                                                                                                                                          | E2310A                                       |
| Instrument Type                                                                                                                                                                                                | Advanced logic probe                         |
| Host Analyzers                                                                                                                                                                                                 | 16700 16800 16900 class logic analyzers      |
| Capture Modes                                                                                                                                                                                                  | state and timing                             |
| Interface                                                                                                                                                                                                      | logic analyzer probe/pod interface           |
| Manufacturer                                                                                                                                                                                                   | HP Agilent Keysight                          |
| Use Case                                                                                                                                                                                                       | high-density digital acquisition             |
| Form Factor                                                                                                                                                                                                    | handheld/probe assembly                      |
| Literature                                                                                                                                                                                                     | Agilent E2310A Advanced Logic Probe listings |
| Related Flying Leads                                                                                                                                                                                           | 01700-series probe accessories               |
| Operating Temperature Class                                                                                                                                                                                    | 0 to 55 C laboratory                         |
| Input Threshold Class                                                                                                                                                                                          | programmable from host analyzer              |
| Channels                                                                                                                                                                                                       | determined by probe/analyzer pod             |
| InputRClass                                                                                                                                                                                                    | logic-analyzer probe impedance               |
| Max Voltage Class                                                                                                                                                                                              | logic-analyzer probe rating                  |
| Cable                                                                                                                                                                                                          | analyzer pod cable                           |
| Ground                                                                                                                                                                                                         | probe ground leads                           |
| Related Soft Touch                                                                                                                                                                                             | later U42xx Soft Touch probes                |
| Brand Lineage                                                                                                                                                                                                  | Hewlett Packard Agilent Keysight             |
| Documentation Type                                                                                                                                                                                             | OEM datasheet and catalog specifications     |
| Numeric Source                                                                                                                                                                                                 | verified OEM tables only no invented limits  |
| Catalog Status                                                                                                                                                                                                 | HP Agilent Keysight catalog instrument       |
| Notes                                                                                                                                                                                                          |                                              |
| Identity from Agilent/Keysight E2310A Advanced Logic Probe catalog listings. Channel count, bandwidth, and threshold numbers are those of the host logic analyzer plus this probe; see the E2310A probe guide. |                                              |

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

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

#### Aumictech

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NIST-traceable calibration · SAM registered ·  
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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.