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Data Sheet

August 5, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) DDA 5005A XXL Disk Drive Analyzer

The Keysight (Agilent) DDA 5005A XXL Disk Drive Analyzer is a specialized instrument for comprehensive testing and analysis of disk drives. It provides in-depth characterization of drive performance, identifying potential issues and ensuring optimal operation. Ideal for manufacturers and repair technicians, this analyzer offers a detailed look into the drive's functionality.



MODEL

**Keysight / Agilent
DDA 5005A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DDA 5005A

LISTING

<https://aumictechlabs.com/products/dda-5005a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight (Agilent) DDA 5005A XXL Disk Drive Analyzer is a instrument purpose-built for testing, characterizing, and troubleshooting disk drive performance. Integrating LeCroy's X-Stream architecture with SiGe digitizer-on-chip technology and a specialized high-speed streaming bus, this analyzer captures and processes complex drive signals with exceptional fidelity. The XXL configuration delivers extended acquisition memory - up to 25,000 sectors of data - enabling capture of complete drive operations for detailed failure analysis and performance validation. Technical Specifications Analog Bandwidth: 5 GHz (-3 dB at 50 Ω) Input Channels: 4 Sample Rate: 10 GS/s per channel (4-channel mode); 20 GS/s (dual-channel mode) Acquisition

Memory: 100 Mpts (2-channel mode); 5 ms capture time at 20 GS/s dual-channel; up to 25,000 sectors with XXL Trigger Modes: Normal, Auto, Single, Stop Trigger Sources: Any input channel, External, Ext x10, Ext/10, Line Max Trigger Frequency: 5 GHz (Edge Trigger); 750 MHz (SMART Trigger) Trigger Bandwidth: 5 GHz Input Impedance: 50 Ω $\pm$ 1.5% Input Coupling: DC, GND Maximum Input Voltage: $\pm$ 4 V_{peak} (50 Ω) Vertical Resolution: 8 bits; up to 11 bits with Enhanced Resolution (ERES) Sensitivity: 2 mV–1 V/div fully variable Offset Range: $\pm$ 700 mV @ 2 mV–4.95 mV/div Bandwidth Limiter: 20 MHz, 200 MHz, 1 GHz, 3 GHz, 4 GHz Display: 10.4" color TFT-LCD (800 $\times$ 600 SVGA); touch panel; supports up to eight math traces Averaging: Summed and Continuous modes Envelope Capture: Up to 1 million sweeps Key Features Disk-specific trigger architecture qualifies signals on index and captures full sector sequences Extended XXL memory enables acquisition of multiple complete drive operations without data loss Enhanced Resolution (ERES) mode extends vertical resolution to 11 bits for low-amplitude signal detail Programmable bandwidth limiting (20 MHz to 4 GHz) reduces noise on narrowband measurements Connectivity & Integration 100Base-T Ethernet USB ports 3.5" floppy drive GPIB interface (optional) Optional built-in graphics printer

Features & description

From manufacturer datasheet

Features

- Model: DDA 5005A XXL Disk Drive Analyzer
- Infiniium-based real-time acquisition platform
- Disk-drive analysis application suite (DDA)
- High-bandwidth differential acquisition for storage channels
- Confirm exact BW, sample rate, and memory from unit configuration

DDA5005A Characteristics / Specifications

PARAMETER	VALUE
Model	DDA 5005A XXL Disk Drive Analyzer
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Disk Drive Analyzer (Infiniium-based)
Alias	DDA 5005A; DDA 5005A XXL; Agilent DDA 5005A Performance
Bandwidth	Infiniium real-time oscilloscope platform with disk-drive analysis software/hardware options for read-channel, servo, and media testing. Exact bandwidth and channel count depend on the Infiniium platform option bundle; public standalone datasheets ar

DDA5005A Specifications

PARAMETER	VALUE
Keysight (Agilent) DDA 5005A XXL Disk Drive Analyzer	Overview
Key Features	- Model: DDA 5005A XXL Disk Drive Analyzer
Technical Specifications	Model: DDA 5005A

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	DDA 5005A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Disk Drive Analyzer (Infiniium-based)
Alias	DDA 5005A; DDA 5005A XXL; Agilent DDA 5005A

Performance

Bandwidth, sample rate, channel count, and memory: per installed Infiniium / DDA 5005A XXL configuration. Do not invent unverified GHz/GSa/s figures beyond the XXL DDA product identity.

Operational Notes

Related Infiniium DDA family members exist at other bandwidths. Prefer Agilent DDA / Infiniium DDA documentation for the specific option set.

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.