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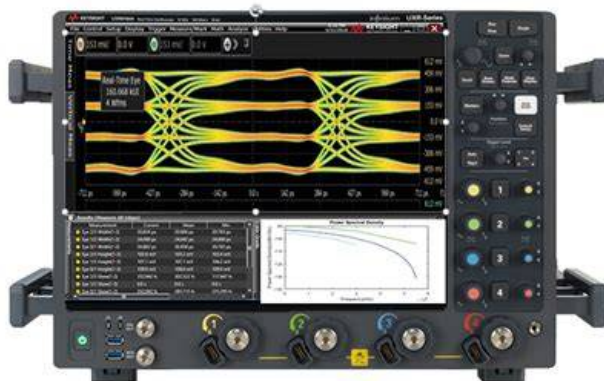
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight AE2000T

HP Agilent Keysight AE2000T Automotive SerDes Receiver Test Solution The Keysight AE2000T sits in the AE2000 automotive SerDes receiver-test line used with AE2010R MIPI A-PHY receiver software. OEM Automotive SerDes Receiver Test Application data sheet 3122-1875 describes PHY BER tests to the MIPI A-PHY CTS on a Keysight M8195A AWG (16 GHz, 4 channels, 65 GSa/s class with M8195A-001), AE2090B coaxial noise-injection fixture, 15443A matched cable pair, and AE6962A-HFS/HFK adapters. Reports include margin analysis of pass/fail. Software runs on the AWG embedded controller or a separate PC with node-locked or transportable licenses. The Keysight AE2000T sits in the AE2000 automotive SerDes receiver-test line used with AE2010R MIPI A-PHY receiver software. OEM Automotive SerDes Receiver Test Application data sheet 3122-1875 describes PHY BER tests to the MIPI A-PHY CTS on a Keysight M8195A AWG (16 GHz, 4 channels, 65 GSa/s class with M8195A-001), AE2090B coaxial noise-injection fixture, 15443A matched cable pair, and AE6962A-HFS/HFK adapters. Reports include margin analysis of pass/fail. Software runs on the AWG embedded controller or a separate PC with node-locked or transportable licenses. MIPI A-PHY receiver BER compliance and debug of automotive SerDes PHYs using an M8195A AWG and noise-injection fixture.



MODEL

**Agilent / Keysight
AE2000T**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

AE2000T

LISTING

<https://aumictechlabs.com/products/ae2000t-2/>

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30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight AE2000T is a network analyzer engineered for automotive SerDes transmit compliance testing. This solution automates configuration of test equipment and delivers accurate, repeatable measurements across multiple trials with full statistical analysis. It supports interoperability verification, debugging, and standards compliance for automotive communication links.

Technical Specifications The AE2000T leverages Keysight oscilloscopes to ensure measurement accuracy and repeatability. Its test framework executes multi-trial measurement sequences, reporting worst-case results alongside comprehensive statistical analysis for each test point.

Key Features Supports MIPI A-PHY, ASA, and GMSL2 automotive communication standards Automatic equipment configuration for streamlined test workflows Multi-trial statistical analysis with worst-case result reporting Detailed debugging information per test mode, speed grade, and test configuration Designed to verify and debug SerDes link interoperability within automotive systems

Typical Applications The instrument targets automotive systems requiring high-speed serial data transmission. Applications include ADAS (Advanced Driver Assistance Systems), connected vehicles, and autonomous platforms that depend on SerDes connections between cameras, displays, and Electronic Control Units (ECUs). The AE2000T addresses increasing throughput demands driven by sensor proliferation and network expansion in modern vehicles.

Compatibility & Integration The AE2000T integrates with Keysight oscilloscope infrastructure for precision measurement and delivers detailed per-mode debugging output to support rapid failure analysis and design iteration.

AE2000T Characteristics / Specifications

PARAMETER	VALUE
Model	AE2000T
Instrument Type	Automotive SerDes receiver test solution
Target Standard	MIPI A-PHY Compliance Test Specification receiver BER
Primary Hardware	Keysight M8195A AWG
Awg Bandwidth	16 GHz, 4 channels
Awg Sample Rate Class	65 GSa/s with M8195A-001 1 channel 2 GSa per module
Awg Memory Catalog	M8195A-16G 16G memory and M8195A-SEQ sequencer
Chassis Bundle	M8195A-BU2 with M9502A 2 slot AXIe chassis USB
Noise Fixture	AE2090B MIPI A-PHY receiver test coaxial noise injection fixture
Matched Cables	15443A matched cable pair
Adapters	AE6962A-HFS and AE6962A-HFK
Receiver Software	AE2010R MIPI A-PHY receiver test
License Types	node locked and transportable
Host Computer	AWG embedded controller or separate PC
Manufacturer	HP Agilent Keysight
Literature	Keysight Automotive SerDes Receiver Test Application data sheet 3122-1875
Family	Keysight AE2000 automotive SerDes compliance
Brand Lineage	Hewlett Packard Agilent Keysight
Form Factor	AWG based receiver BER system
System Role	MIPI A-PHY receiver compliance
Use Case	automotive SerDes PHY BER
Documentation Type	OEM AE2000 receiver data sheet
Year Class	AE2000 automotive SerDes family
Application Class	automotive receiver physical layer test
Control Class	AE2010R on PC or AWG controller

PARAMETER	VALUE
Vendor Path	HP Agilent Keysight
Bandwidth	16 GHz, 4 channels

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	AE2000T
Instrument Type	Automotive SerDes receiver test solution
Target Standard	MIPI A-PHY Compliance Test Specification receiver BER
Primary Hardware	Keysight M8195A AWG
Awg Bandwidth	16 GHz, 4 channels
Awg Sample Rate Class	65 GSa/s with M8195A-001 1 channel 2 GSa per module
Awg Memory Catalog	M8195A-16G 16G memory and M8195A-SEQ sequencer
Chassis Bundle	M8195A-BU2 with M9502A 2 slot AXIe chassis USB
Noise Fixture	AE2090B MIPI A-PHY receiver test coaxial noise injection fixture
Matched Cables	15443A matched cable pair
Adapters	AE6962A-HFS and AE6962A-HFK
Receiver Software	AE2010R MIPI A-PHY receiver test
License Types	node locked and transportable
Host Computer	AWG embedded controller or separate PC
Manufacturer	HP Agilent Keysight
Literature	Keysight Automotive SerDes Receiver Test Application data sheet 3122-1875
Family	Keysight AE2000 automotive SerDes compliance
Brand Lineage	Hewlett Packard Agilent Keysight
Form Factor	AWG based receiver BER system
System Role	MIPI A-PHY receiver compliance
Use Case	automotive SerDes PHY BER
Documentation Type	OEM AE2000 receiver data sheet
Year Class	AE2000 automotive SerDes family
Application Class	automotive receiver physical layer test
Control Class	AE2010R on PC or AWG controller

PARAMETER	VALUE
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Vendor Path	HP Agilent Keysight
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Notes

From Keysight Automotive SerDes Receiver Test Application 3122-1875 (M8195A 16 GHz/65 GSa/s class, AE2090B fixture, 15443A cables, AE2010R licenses). Exact AE2000T bundle SKUs versus AE2000R are on the ordering table of that sheet.

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.