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Data Sheet

August 5, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) E2905A 1 GHz Clock/Strobe module 128kbit

Keysight (Agilent) E2905A 1 GHz Clock/Strobe Module 128 kbit The Keysight/Agilent E2905A is a plug-in 1 GHz clock/strobe module with 128 kbit memory for the E2900A (80000 Series) Data Generator System mainframe. Provides precise clock and strobe stimulus for high-performance digital device characterization when installed in the modular E2900A system. High-speed DAC/image device stimulus; multi-channel receiver clocking; parallel-to-serial converter and custom LSI characterization (with E2900A system). The Keysight/Agilent E2905A is a plug-in 1 GHz clock/strobe module with 128 kbit memory for the E2900A (80000 Series) Data Generator System mainframe. Provides precise clock and strobe stimulus for high-performance digital device characterization when installed in the modular E2900A system. High-speed DAC/image device stimulus; multi-channel receiver clocking; parallel-to-serial converter and custom LSI characterization (with E2900A system).



MODEL

**Keysight / Agilent
E2905A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E2905A

LISTING

<https://aumictechlabs.com/products/e2905a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight (Agilent) E2905A is a 1 GHz Clock/Strobe module designed for high-speed digital test applications within the 80000 Data Generator system. It generates precise clock and strobe

signals with 128 kbit memory per channel, enabling synchronization and timing control for characterization of digital devices. The E2905A integrates into the modular 80000 platform, allowing users to configure test systems for specific applications including DACs, multi-channel receivers, and custom LSI ICs.

Technical Specifications

Clock speed: 1 GHz

Memory: 128 kbit per channel

Signal type: Clock and Strobe

Data rate: Up to 1 GHz

Form factor: Plug-in module for 80000 Data Generator mainframe or expansion frames

Key Features

- Generates synchronized clock and strobe signals for precise timing control
- 128 kbit per-channel memory for pattern storage
- Direct integration into Keysight 80000 Data Generator system architecture
- Modular design supports system expansion and customization

Typical Applications

- High-speed digital device characterization
- DAC testing and validation
- Multi-channel receiver test and characterization
- Custom LSI IC validation
- Precision timing and synchronization for digital test systems

Compatibility & Integration

The E2905A is a component module for the Keysight (Agilent) 80000 Data Generator system. It connects via proprietary module-to-mainframe interface designed for the 80000 platform. This product is discontinued; self-support and repair/calibration services are available through Keysight Service Centers.

Features & description

From manufacturer datasheet

Features

- Plug-in for E2900A Data Generator System • Clock/strobe module to 1 GHz • Memory depth: 128 kbit
- Works with E2906A data modules in E2900A mainframe

E2905A Characteristics / Specifications

PARAMETER	VALUE
Model	E2905A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Data Generator Clock/Strobe Module
Family	80000 / E2900 Series
Alias	E2905A; Agilent E2905A Performance
Maximum frequency	1 GHz class
Memory	128 kbit
Host	E2900A mainframe (optional E2901A expansion frames) Operational Notes Requires E2900A mainframe. Prefer Agilent 80000 / E2900 Series documentation for timing and I/O levels.
Memory depth	128 kbit

E2905A Specifications

PARAMETER	VALUE
Key Features	- Plug-in for E2900A Data Generator System
Technical Specifications	Model: E2905A
Performance	Maximum frequency: 1 GHz class
Operational Notes	Requires E2900A mainframe. Prefer Agilent 80000 / E2900 Series documentation for timing and I/O levels.

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 digital device characterization when installed in the modular E2900A system.

Applications

High-speed DAC/image device stimulus; multi-channel receiver clocking; parallel-to-serial converter and custom LSI characterization (with E2900A system).

Key Features

- Plug-in for E2900A Data Generator System
- Clock/strobe module to 1 GHz
- Memory depth: 128 kbit
- Works with E2906A data modules in E2900A mainframe

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	E2905A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Data Generator Clock/Strobe Module
Family	80000 / E2900 Series
Alias	E2905A; Agilent E2905A

Performance

Performance

PARAMETER	VALUE
Maximum frequency	1 GHz class
Memory	128 kbit
Host	E2900A mainframe (optional E2901A expansion frames)

Operational Notes

Requires E2900A mainframe. Prefer Agilent 80000 / E2900 Series documentation for timing and I/O levels.

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.