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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 70874D – Digitizing Oscilloscope Module

System: HP 70000 modular measurement system Storage Temperature Class: minus 40 C to 75 C Bandwidth Class: microwave digitizer plugin Identity from Agilent/Keysight 70874C and 70874D Digitizing Oscilloscope Module listings. Exact bandwidth and sample rate follow the 70874C/D MMS module datasheet. Storage Temperature Class: minus 40 C to 75 C Bandwidth Class: microwave digitizer plugin Identity from Agilent/Keysight 70874C and 70874D Digitizing Oscilloscope Module listings. Exact bandwidth and sample rate follow the 70874C/D MMS module datasheet.



MODEL

**Agilent / Keysight
70874D**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

70874D

LISTING

<https://aumictechlabs.com/products/70874d-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 70874D is a Jitter Analyzer Personality module that enhances compatible Agilent and Keysight oscilloscope platforms with advanced jitter measurement and characterization capabilities. Designed for engineers and system integrators working with high-speed digital interfaces and telecommunications systems, this module delivers precision analysis in demanding RF/microwave environments where detailed jitter quantification is critical. Technical Specifications The 70874D operates as a personality module architecture, integrating directly with host oscilloscope chassis to unlock specialized jitter analysis functionality without requiring

standalone instrumentation. This modular approach preserves bench footprint while extending measurement precision across high-speed digital testing workflows.

Key Features

- Jitter Analyzer Personality module design
- Precision jitter measurement and characterization
- Integration with Agilent/Keysight oscilloscope platforms
- Support for high-speed digital interface analysis
- Direct oscilloscope chassis integration

Typical Applications

The 70874D addresses measurement requirements in high-speed digital interfaces, telecommunications systems, and RF/microwave applications where jitter analysis forms part of comprehensive signal integrity assessment. Engineers use this module for detailed characterization of timing deviations in complex electronic testing scenarios requiring oscilloscope-based analysis.

Compatibility & Integration

The module operates as a plug-in personality for compatible Agilent and Keysight oscilloscope models. Its modular architecture allows direct integration with host oscilloscope hardware, providing seamless access to jitter analysis capabilities within the native measurement environment. No external interfaces or standalone operation is required - the 70874D functions as an integrated extension of the parent oscilloscope platform.

70874D Characteristics / Specifications

PARAMETER	VALUE
Model Family	70874C 70874D
Instrument Type	digitizing oscilloscope module
Manufacturer	HP Agilent Keysight
System	HP 70000 modular measurement system
Form Factor	MMS plug-in module
Display Host	HP 70004 class
Operating Temperature Class	0 C to 55 C
Storage Temperature Class	minus 40 C to 75 C
Humidity Class	non condensing
Power	MMS mainframe powered
Cooling	mainframe airflow
Remote Interface	HP-IB via mainframe
Duty	continuous
Grounding	MMS chassis
Calibration	module cal
Safety	instrument safety
Bandwidth Class	microwave digitizer plugin
Sample Rate Class	high speed digitizing
Channels Class	plugin vertical channels
Trigger	MMS trigger path
Timebase	MMS timebase resources
Mass Class	MMS module
Compatibility	70900 series companions
Firmware	module firmware
Connectors	front panel RF inputs

PARAMETER	VALUE
Input Impedance Class	50 ohm
Bandwidth	Class: microwave digitizer plugin
Storage temperature	Class: minus 40 C to 75 C
Operating temperature	Class: 0 C to 55 C
Humidity	Class: non condensing

70874D Specifications

PARAMETER	VALUE
Agilent HP 70874 Digitizing Oscilloscope Module	Overview
Applications	Modular microwave digitizing oscilloscope measurements in HP 70000 MMS racks for RF and lightwave time-domain analysis.
Key Features	70000 MMS digitizing oscilloscope module
C and D revision variants	Works with 70004 display and MMS mainframe
Technical Specifications	Model Family: 70874C 70874D

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Class: minus 40 C to 75 C
Operating temperature	Class: 0 C to 55 C
Operating Temperature	Class: 0 C to 55 C
Humidity	Class: non condensing
Operating Temperature Class	0 C to 55 C
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Firmware	module firmware
Connectors	front panel RF inputs
Input Impedance Class	50 ohm Notes Identity from Agilent/Keysight 70874C and 70874D Digitizing Oscilloscope Module listings. Exact bandwidth and sample rate follow the 70874C/D MMS module datasheet.

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	
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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.