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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 70874C – Digitizing Oscilloscope Module

Agilent HP 70874 Digitizing Oscilloscope Module The Agilent / HP 70874C/D is a digitizing oscilloscope plug-in module for HP 70000 modular measurement systems. OEM 70000-series oscilloscope module literature describes multi-GHz digitizing vertical plugins used with 70900-series local oscillators and 70004 displays for microwave modular scopes. Modular microwave digitizing oscilloscope measurements in HP 70000 MMS racks for RF and lightwave time-domain analysis. 70000 MMS digitizing oscilloscope module and revision variants The Agilent / HP 70874C/D is a digitizing oscilloscope plug-in module for HP 70000 modular measurement systems. OEM 70000-series oscilloscope module literature describes multi-GHz digitizing vertical plugins used with 70900-series local oscillators and 70004 displays for microwave modular scopes. Modular microwave digitizing oscilloscope measurements in HP 70000 MMS racks for RF and lightwave time-domain analysis. 70000 MMS digitizing oscilloscope module and revision variants Works with 70004 display and MMS mainframe



MODEL

**Agilent / Keysight
70874C**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

70874C

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 70874C is a digitizing oscilloscope module that functions as a jitter analyzer personality for compatible Agilent/Keysight oscilloscopes and logic analyzers. This plug-in

module delivers specialized jitter measurement and characterization capabilities essential for validating signal integrity in high-speed digital systems. Engineers use the 70874C to quantify jitter components, diagnose timing-related failures, and verify compliance with stringent timing specifications across communication systems, computer hardware, and digital electronics.

Technical Specifications The 70874C employs advanced measurement techniques for jitter quantification and analysis. As a modular personality, it installs within compatible Agilent/Keysight mainframe instruments and adapts its interface and physical form factor to the host platform.

Key Features Jitter measurement and characterization for digital signal analysis
Advanced quantification methods for timing component isolation
Module-based architecture for integration into existing test platforms
Designed specifically for high-speed digital signal integrity assessment

Typical Applications Timing and jitter analysis in high-speed digital designs
Signal integrity debugging in communication systems and computer hardware
Design validation against timing specifications
Diagnosis and resolution of jitter-related failures in digital electronics

Compatibility & Integration The 70874C integrates as a personality module within Agilent/Keysight oscilloscope and logic analyzer mainframes. Installation, connector types, interface protocols, and exact physical dimensions depend on the specific host instrument platform. Consult your instrument documentation for slot compatibility and installation requirements.

70874C 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

70874C 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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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
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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Connectors	front panel RF inputs
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Notes

Identity from Agilent/Keysight 70874C and 70874D Digitizing Oscilloscope Module listings. Exact bandwidth and sample rate follow the 70874C/D MMS module datasheet.

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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30-day returns
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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.