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Data Sheet

August 1, 2026

HP

HP 7000A / 70340A Synthesized Signal Generator W CALIBRATION

HP / Agilent 70000 MMS / 70340A Modular Synthesized Signal Generator The HP / Agilent 70340A is a 4-slot modular synthesized microwave signal generator for the HP 70000 Modular Measurement System (MMS). Catalog listings often refer to the combination as a 7000A / 70340A synthesized signal generator. The 70340A covers 1 GHz to 20 GHz with FM, logarithmic AM, and pulse modulation. Adding the optional 70341A frequency-extension module extends coverage down to 10 MHz for a combined 0.01 to 20 GHz range. The module is designed for ATE with SCPI programming, high spectral purity, and user level correction at remote test ports. The HP / Agilent 70340A is a 4-slot modular synthesized microwave signal generator for the HP 70000 Modular Measurement System (MMS). Catalog listings often refer to the combination as a 7000A / 70340A synthesized signal generator. The 70340A covers 1 GHz to 20 GHz with FM, logarithmic AM, and pulse modulation. Adding the optional 70341A frequency-extension module extends coverage down to 10 MHz for a combined 0.01 to 20 GHz range. The module is designed for ATE with SCPI programming, high spectral purity, and user level correction at remote test ports. Automated microwave test systems, scalar and component stimulus, radar and EW simulation with pulse/log-AM, and MMS racks requiring a compact high-purity 1-20 GHz source.

No photo

MODEL HP 7000A	CALIBRATION N/A — off-catalog OEM datasheet
CONDITION See OEM documentation	STATUS Not listed on Aumictech inventory
RFQ / SKU 7000A	LISTING Off-catalog — OEM datasheet only

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

Features & description

From manufacturer datasheet

Features

- 4-slot MMS module for HP 70000 mainframes (e.g., 70001A / 70004A class)
- Frequency 1 to 20 GHz; 0.01 to 20 GHz with 70341A
- Leveled output typically +10 to +13 dBm class (+11 dBm 1-18 GHz, +10 dBm 18-20 GHz in HPWiki tables; dealer listings cite about +13 dBm)
- Harmonics less than -55 dBc; spurious less than -60 dBc; no subharmonics (fundamental oscillators)
- Flatness about +/-0.5 dB; user level correction tables for remote ports
- Pulse, FM, and log AM modulation; optional internal pulse generator
- Optional 1 Hz frequency resolution (Option 1E8)
- Optional output step attenuator (Option 1E1) and 3.5 mm RF connector (Option 1E9)

7000A Characteristics / Specifications

PARAMETER	VALUE
Model	70340A (MMS 70000 series; often listed with 7000A-class mainframe)
Manufacturer	Hewlett-Packard / Agilent
Instrument Type	Modular synthesized signal generator
Slots	4-slot MMS module
Frequency Range	1 GHz to 20 GHz (0.01 to 20 GHz with 70341A)
Output Power	Greater than +8 dBm specified leveled class; typical tables +11 dBm (1-18 GHz), +10 dBm (18-20 GHz); dealer +13 dBm class
Harmonics	Less than -55 dBc
Spurious	Less than -60 dBc
Subharmonics	None
Flatness	Approximately +/-0.5 dB at RF output
Pulse Rise/Fall	Less than 10 ns class high-fidelity pulses
Modulation	Pulse, FM, logarithmic AM

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	70340A (MMS 70000 series; often listed with 7000A-class mainframe)
Manufacturer	Hewlett-Packard / Agilent
Instrument Type	Modular synthesized signal generator
Slots	4-slot MMS module
Frequency Range	1 GHz to 20 GHz (0.01 to 20 GHz with 70341A)
Output Power	Greater than +8 dBm specified leveled class; typical tables +11 dBm (1-18 GHz), +10 dBm (18-20 GHz); dealer +13 dBm class
Harmonics	Less than -55 dBc
Spurious	Less than -60 dBc
Subharmonics	None
Flatness	Approximately +/-0.5 dB at RF output
Pulse Rise/Fall	Less than 10 ns class high-fidelity pulses
Modulation	Pulse, FM, logarithmic AM

Options: 1E1 step attenuator; 1E2 internal pulse generator; 1E8 1 Hz resolution; 1E9 3.5 mm RF output

Operational Notes

Requires an HP 70000 MMS mainframe and display. Confirm whether 70341A is installed for coverage below 1 GHz. Use user level correction when leveling ataremote DUT port. Omit sales calibration stickers from technical content.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

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.