

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

FLUKE

Fluke 9610A AF RF Reference Source 4GHz

Fluke 9610A / 9640A AF RF Reference Source Catalog listings titled Fluke 9610A AF RF Reference Source 4 GHz align with the Fluke Calibration 9640A Series RF reference source (1 mHz/10 Hz to 4 GHz). The 9640A provides precision leveled RF for calibrating spectrum analyzers, power meters, and related RF instruments, with optional low-phase-noise (LPNX) and 75 ohm head variants. Catalog listings titled Fluke 9610A AF RF Reference Source 4 GHz align with the Fluke Calibration 9640A Series RF reference source (1 mHz/10 Hz to 4 GHz). The 9640A provides precision leveled RF for calibrating spectrum analyzers, power meters, and related RF instruments, with optional low-phase-noise (LPNX) and 75 ohm head variants.



MODEL

Fluke 9610A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

9610A

LISTING

<https://aumictechlabs.com/products/9610a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fluke 9610A AF/RF Reference Source is a calibration instrument that provides accurate and stable signals for calibrating a wide range of RF measurement equipment. With a frequency range of 10 Hz to 4 GHz, it covers a broad spectrum of calibration needs. Its high accuracy and stability ensure reliable calibration results, enhancing the performance and accuracy of the devices it calibrates.

Features & description

From manufacturer datasheet

Features

- Broad AF-to-4 GHz coverage in one reference source • Deep level range with precision leveling head
- AM/FM/PM modulation and frequency sweep • Optional integrated 50 MHz frequency counter • HP 3335 / optional 8662/8663 GPIB emulation

Applications

- RF/microwave calibration of spectrum analyzers below 4 GHz • Precision leveled RF source replacing multiple generators • Power meter / sensor calibration workloads • Automated RF cal with GPIB emulation

9610A Characteristics / Specifications

PARAMETER	VALUE
Model	9610A (catalog); 9640A Series (OEM)
Manufacturer	Fluke Calibration
Instrument Type	AF/RF Reference Source
Alias	9610A; 9640A; 9640A-LPNX; Fluke 9610A
Frequency range	1 mHz to 4 GHz (series summary; some sheets 10 Hz to 4 GHz)
Frequency resolution	10 uHz
Frequency accuracy	0.05 ppm + 5 uHz
Level range (50 ohm)	-130 to +24 dBm to ~125-128 MHz; 14 dBm at 4 GHz leveled
Level resolution	0.001 dB
Level accuracy class to 128 MHz	0.05 dB
Level accuracy class at 4 GHz	0.3 to 0.5 dB class
Harmonics	-60 dBc class
Phase noise at 1 GHz (9640A)	-122 dBc/Hz typical at 10 kHz offset
Phase noise LPNX	-138 dBc/Hz typical (5 kHz-100 kHz offset)
Modulation	AM, FM, PM; internal and external
Sweep	1 mHz to 4 GHz linear or log
Interface	IEEE-488.2 GPIB
Operating temperature	0 to 50 degC; specified performance 23+/-5 degC Notes Catalog SKU 9610A appears to map to the 9640A 4 GHz RF reference family. Confirm faceplate model (9640A / LPNX /75) before treating level/phase-noise rows as unit-specific.

9610A Specifications

PARAMETER	VALUE
Fluke 9610A / 9640A AF RF Reference Source	Overview
Applications	- RF/microwave calibration of spectrum analyzers below 4 GHz
Key Features	- Broad AF-to-4 GHz coverage in one reference source
Technical Specifications	Model: 9610A (catalog); 9640A Series (OEM)

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 50 degC; specified performance 23+/-5 degC
Operating Temperature	0 to 50 degC; specified performance 23+/-5 degC

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	
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Model	9610A (catalog); 9640A Series (OEM)
Manufacturer	Fluke Calibration
Instrument Type	AF/RF Reference Source
Alias	9610A; 9640A; 9640A-LPNX; Fluke 9610A
Specifications	
PARAMETER	VALUE
Frequency range	1 mHz to 4 GHz (series summary; some sheets 10 Hz to 4 GHz)
Frequency resolution	10 uHz
Frequency accuracy	0.05 ppm + 5 uHz
Level range (50 ohm)	-130 to +24 dBm to ~125-128 MHz; 14 dBm at 4 GHz leveled
Level resolution	0.001 dB
Level accuracy class to 100 kHz (down to -48 dBm): 0.03 dB	
Level accuracy class to 128 MHz: 0.05 dB	
Level accuracy class at 4 GHz: 0.3 to 0.5 dB class	
VSWR <=500 MHz: <=1.1	
Specifications	
PARAMETER	VALUE
Harmonics	-60 dBc class
Phase noise at 1 GHz (9640A)	-122 dBc/Hz typical at 10 kHz offset
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Notes

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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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<https://aumictechlabs.com>

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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.