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Data Sheet

August 13, 2026

FLUKE / WAVETEK

Fluke 9530 Wavetek Calibration Test Head

The Fluke Calibration 9530 is a 3.2 GHz active calibration head for the 9500B oscilloscope calibrator family. It delivers leveled sinewave to 3.2 GHz or the mainframe maximum, whichever is lower, and provides selectable fast-edge pulse risetimes of 150 ps and 500 ps at the oscilloscope input via coaxial plus control umbilical interconnection. Instrument Type: Oscilloscope Calibrator Active Head Alias: 9530; Wavetek 9530; Fluke 9530 Fast Active Head Maximum leveled sine frequency: 3.2 GHz or mainframe limit if lower Pulse risetimes: selectable 150 ps and 500 ps



MODEL	CALIBRATION
Fluke / Wavetek 9530	Available on request
CONDITION	STATUS
Used	In stock
RFQ / SKU	LISTING
9530	https://aumictechlabs.com/products/9530-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Fluke 9530 Calibration Test Head, also known as the Wavetek 9530, is a precision instrument meticulously engineered for seamless integration with the Fluke 9500 and 9500 series of calibrators. This test head is an indispensable tool for calibration laboratories and service centers, enabling the accurate and reliable calibration of a diverse array of electronic test equipment. By ensuring high-quality calibration, the 9530 is essential for maintaining the accuracy and reliability of measurement devices.

Features & description

From manufacturer datasheet

Features

- Active head architecture minimizes cable degradation at the DUT
- Leveled sine to 3.2 GHz with amplitude sensing
- Selectable 150 ps and 500 ps pulse risetimes
- Compatible with all 9500B mainframes
- Fast-edge function available only on 9530-class heads

Applications

- Oscilloscope bandwidth and flatness calibration to 3.2 GHz
- Fast-edge pulse and high-edge pulse verification
- Automated multi-channel scope calibration with 9500B
- Extending lower-frequency 9500B mainframes with an active head

9530 Characteristics / Specifications

PARAMETER	VALUE
Model	9530
Manufacturer	Fluke Calibration
Instrument Type	Oscilloscope Calibrator Active Head
Alias	9530; Wavetek 9530; Fluke 9530 Fast Active Head
Maximum leveled sine frequency	3.2 GHz or mainframe limit if lower
Pulse risetimes	selectable 150 ps and 500 ps
Leveled sine amplitude accuracy at 50 kHz	+/-1.5% class
Leveled sine flatness high band class	+/-5% class toward 3 GHz
DC amplitude into 1 Mohm	+/-1 mV to +/-200 V class via head/mainframe
DC amplitude into 50 ohm	+/-1 mV to +/-5 V class
Mainframe compatibility	all 9500B mainframes
Form factor	active head module with coax and control umbilical
Typical head size class	about 65 × 31 × 140 mm
Output connector	BNC class 50 ohm path
Related heads	9510 1.1 GHz; 9550 25 ps; 9560 6 GHz Notes Specs from Fluke 9500B / 9530 active head datasheets and extended specifications. Confirm mainframe model (600/1100/3200) and installed head options.
Bandwidth	and flatness calibration to 3.2 GHz - Fast-edge pulse and high-edge pulse verification - Automated multi-channel scope calibration with 9500B - Extending lower-frequency 9500B mainframes with an active head
Aberrations	less than 3% peak in 8 GHz; less than 2% peak in 3 GHz first 1 ns class

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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Maximum leveled sine frequency	3.2 GHz or mainframe limit if lower
Pulse risetimes	selectable 150 ps and 500 ps

Fast-edge amplitude range: 5 mV to 3 V pk-pk into 50 ohm
Fast-edge amplitude accuracy: +/-3%
Fast-edge rise/fall: 150 ps return to ground
Fast-edge mark/space: 1:9
Fast-edge aberrations: less than 3% peak in 8 GHz; less than 2% peak in 3 GHz first 1 ns class
Fast-edge frequency range: 10 Hz to 2 MHz
Fast-edge frequency accuracy: +/-0.25 ppm
Leveled sine amplitude mid-band class: 4.44 mV to about 5.56 V pk-pk depending on band

Specifications

PARAMETER	VALUE
Leveled sine amplitude accuracy at 50 kHz	+/-1.5% class
Leveled sine flatness high band class	+/-5% class toward 3 GHz
DC amplitude into 1 Mohm	+/-1 mV to +/-200 V class via head/mainframe
DC amplitude into 50 ohm	+/-1 mV to +/-5 V class

High-edge amplitude into 50 ohm: 1 mV to 5 V pk-pk class

Specifications

PARAMETER	VALUE
Mainframe compatibility	all 9500B mainframes
Form factor	active head module with coax and control umbilical
Typical head size class	about 65 x 31 x 140 mm
Output connector	BNC class 50 ohm path
Related heads	9510 1.1 GHz; 9550 25 ps; 9560 6 GHz

Notes

Specs from Fluke 9500B / 9530 active head datasheets and extended specifications. Confirm mainframe model (600/1100/3200) and installed head options.

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.