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Data Sheet

August 12, 2026

LECROY

LeCroy HVD3206A High Voltage Differential Probe, 120MHz

Teledyne LeCroy HVD3206A High Voltage Differential Probe The LeCroy HVD3206A is the Auto-Zero-Disconnect revision of the 2 kV-class / 120 MHz HV differential probe. Rated 1500 Vdc (2000 V DC + peak AC) for inverter and solar string work; ProBus interface. Single-/three-phase inverters; 1500 Vdc string inverters; floating HV power measurements. The LeCroy HVD3206A is the Auto-Zero-Disconnect revision of the 2 kV-class / 120 MHz HV differential probe. Rated 1500 Vdc (2000 V DC + peak AC) for inverter and solar string work; ProBus interface. Single-/three-phase inverters; 1500 Vdc string inverters; floating HV power measurements.



MODEL Lecroy HVD3206A	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU HVD3206A	LISTING https://aumictechlabs.com/products/hvd3206a-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The LeCroy HVD3206A is a high-voltage differential probe designed for precision measurement of differential signals in the presence of high common-mode voltages. Operating at 120 MHz bandwidth, it delivers minimal circuit loading through high input impedance and low input capacitance while maintaining superior common-mode rejection. The probe handles differential voltage ranges to ± 1500 V and common-mode voltages to ± 7000 V, making it essential for power

electronics, automotive, and industrial control applications requiring signal integrity across demanding voltage environments.

Technical Specifications

Bandwidth: 120 MHz (-3 dB)

Differential Voltage Range: ± 1500 V DC to 120 MHz Common Mode Voltage Range: ± 7000 V DC to 120 MHz

Maximum Differential Input: 1500 Vrms CAT III / 2000 Vpk Maximum Common Mode Input: 7000 Vpk CAT II / 1000 Vrms CAT III

Input Impedance (Differential): $10\text{ M}\Omega \parallel 4.5\text{ pF}$ Input Impedance (Common Mode): $10\text{ M}\Omega \parallel 6\text{ pF}$

Attenuation: 100:1 (fixed) DC Offset Range: ± 1500 V

Differential DC Accuracy: $\pm 1\%$ Common Mode DC Accuracy: $\pm 1\%$ CMRR: $>60\text{ dB}$ at 100 kHz

Rise Time: 2.9 ns Output Offset: $<\pm 10\text{ mV}$ Operating Temperature: 0°C to 50°C Storage Temperature: -20°C to 70°C Operating Humidity: 5% to 85% RH (non-condensing)

Key Features

- Fixed 100:1 attenuation for consistent signal scaling
- High input impedance minimizes loading effects on test circuits
- Exceptional CMRR rejection of common-mode interference
- Wide DC offset capability supports floating measurements
- BNC output connector for direct oscilloscope connection
- CAT III/CAT II safety ratings for industrial environments

Typical Applications

- Power electronics testing and converter characterization
- Automotive high-voltage system measurement
- Industrial control signal verification
- Gate drive and switching analysis in power devices

Compatibility & Integration

The HVD3206A requires external power supplied by compatible LeCroy oscilloscopes or dedicated power adapters. Connection to the oscilloscope is established via BNC output. Specialized high-voltage differential input leads and connectors are supplied with the probe.

Features & description

From manufacturer datasheet

Features

- Bandwidth (probe only): 120 MHz (2 m); 80 MHz (HVD3206A-6M) • Rise time (10%–90%): 2.9 ns (120 MHz); 4.4 ns (-6M) • Diff. voltage: 2000 V (DC + Peak AC) high and low attenuation ranges • Common mode / to earth: ± 2000 V (DC + Peak AC) / ± 2000 Vpk • CMRR test limits @ 23 °C: 80 dB @ 50 Hz; 60 dB @ 1 MHz • Attenuation: 50 $\times$ / 500 $\times$ • Gain accuracy: ~1% class (A-series; some literature up to 0.35% class on related SKUs) • Interface: ProBus with Auto Zero Disconnect • Cable: ~2 m standard; 6 m optional • Safety: tip kits to 2000 V (DC+peak AC) CATIclass

HVD3206A Characteristics / Specifications

PARAMETER	VALUE
Model	HVD3206A
Manufacturer	Teledyne LeCroy
Instrument Type	High Voltage Differential Probe
Alias	HVD3206A; LeCroy HVD3206A Electrical
Bandwidth	120 MHz
Rise time	2.9 ns
Diff. range	2000 V (DC+peak AC)
CMRR	80 dB @ 50 Hz; 60 dB @ 1 MHz Notes Specs from Teledyne LeCroy HVD3206A datasheet and HVD3206/HVD3206A operator manual. Confirm cable length and tip kit on the unit.
Bandwidth (probe only)	120 MHz (2 m); 80 MHz (HVD3206A-6M)
Rise time (10%–90%)	2.9 ns (120 MHz); 4.4 ns (-6M)
Diff. voltage	2000 V (DC + Peak AC) high and low attenuation ranges
Common mode / to earth	±2000 V (DC + Peak AC) / ±2000 Vpk
CMRR test limits @ 23 °C	80 dB @ 50 Hz; 60 dB @ 1 MHz
Attenuation	50× / 500×
Gain accuracy	~1% class (A-series; some literature up to 0.35% class on related SKUs)
Interface	ProBus with Auto Zero Disconnect
Cable	~2 m standard; 6 m optional
Safety	tip kits to 2000 V (DC+peak AC) CATIclass

HVD3206A Specifications

PARAMETER	VALUE
Teledyne LeCroy HVD3206A High Voltage Differential Probe	Overview
Applications	Single-/three-phase inverters; 1500 Vdc string inverters; floating HV power measurements.
Key Features	- Bandwidth (probe only): 120 MHz (2 m); 80 MHz (HVD3206A-6M)
Technical Specifications	Model: HVD3206A
Electrical	Bandwidth: 120 MHz
Notes	Specs from Teledyne LeCroy HVD3206A datasheet and HVD3206/HVD3206A operator manual. Confirm cable length and tip kit on the unit.

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	HVD3206A
Manufacturer	Teledyne LeCroy
Instrument Type	High Voltage Differential Probe
Alias	HVD3206A; LeCroy HVD3206A

Electrical

Electrical

PARAMETER	VALUE
Bandwidth	120 MHz
Rise time	2.9 ns
Diff. range	2000 V (DC+peak AC)
CMRR	80 dB @ 50 Hz; 60 dB @ 1 MHz

Notes

Specs from Teledyne LeCroy HVD3206A datasheet and HVD3206/HVD3206A operator manual. Confirm cable length and tip kit on the unit.

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

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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.