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Data Sheet

August 12, 2026

LECROY

LeCroy HVD3106A High Voltage Differential Probe, 120MHz

Teledyne LeCroy HVD3106A High Voltage Differential Probe The LeCroy HVD3106A is a 1 kV-class high-voltage differential probe with 120 MHz bandwidth (2 m cable), ProBus interface, Auto Zero Disconnect, and high CMRR for power-electronics measurements. -6M long-cable version is 80 MHz. 380–600 V class apparatus; half-bridge and inverter floating measurements; solar PV inverter work within 1 kV rating. The LeCroy HVD3106A is a 1 kV-class high-voltage differential probe with 120 MHz bandwidth (2 m cable), ProBus interface, Auto Zero Disconnect, and high CMRR for power-electronics measurements. -6M long-cable version is 80 MHz. 380–600 V class apparatus; half-bridge and inverter floating measurements; solar PV inverter work within 1 kV rating.



MODEL Lecroy HVD3106A	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU HVD3106A	LISTING https://aumictechlabs.com/products/hvd3106a-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The LeCroy HVD3106A is a high-voltage differential probe designed to measure differential signals in the presence of large common-mode voltages. Operating across a 120 MHz bandwidth, it delivers the signal fidelity required in power electronics and automotive test environments where circuit loading must be minimized. High input impedance and low input capacitance

preserve signal integrity while reducing measurement artifacts on the device under test. Technical Specifications Manufacturer: LeCroy Model: HVD3106A Product Type: High Voltage Differential Probe Bandwidth: 120 MHz Input Impedance: High Input Capacitance: Low Key Features Measures differential signals with high common-mode voltage rejection 120 MHz bandwidth for accurate signal capture across demanding frequency ranges High input impedance minimizes circuit loading effects Low input capacitance preserves signal integrity during high-voltage measurements Optimized for both switching transients and steady-state differential analysis Typical Applications Power electronics: Gate drive signals, switching waveforms, and converter topology analysis Automotive: Battery management systems and power inverter characterization in electric and hybrid vehicle platforms Industrial: High-voltage differential measurements across diverse test scenarios requiring precise signal acquisition Compatibility & Integration Designed for integration with LeCroy oscilloscope platforms supporting high-voltage differential probe interfaces. Probe impedance and bandwidth characteristics ensure compatibility with standard test setups in power electronics and automotive laboratories.

Features & description

From manufacturer datasheet

Features

• Bandwidth (probe only): 120 MHz (2 m); 80 MHz (HVD3106A-6M) • Rise time (10%–90%): 2.9 ns (120 MHz); 4.4 ns (-6M) • Diff. voltage (high atten.): 1500 V (DC + Peak AC) • Diff. voltage (low atten.): 27.6 V (DC + Peak AC) • CMRR test limits @ 23 °C: 80 dB @ 50 Hz; 60 dB @ 1 MHz • Attenuation: 50× / 500× class • Gain accuracy: ~1% class (A-series literature) • Interface: ProBus with Auto Zero Disconnect • Cable: ~2 m standard; 6 m optional • Tip accessories included on standard HVD3106A SKU (NOACC variants omit tips)

HVD3106A Characteristics / Specifications

PARAMETER	VALUE
Model	HVD3106A
Manufacturer	Teledyne LeCroy
Instrument Type	High Voltage Differential Probe
Alias	HVD3106A; LeCroy HVD3106A Electrical
Bandwidth	120 MHz
Rise time	2.9 ns
Diff. high atten.	1500 V (DC+peak AC)
CMRR	80 dB @ 50 Hz; 60 dB @ 1 MHz Notes Specs from Teledyne LeCroy HVD3106A datasheet / HVD310xA operator manual. Confirm cable length and accessory kit on the unit.
Bandwidth (probe only)	120 MHz (2 m); 80 MHz (HVD3106A-6M)
Rise time (10%–90%)	2.9 ns (120 MHz); 4.4 ns (-6M)
Diff. voltage (high atten.)	1500 V (DC + Peak AC)
Diff. voltage (low atten.)	27.6 V (DC + Peak AC)
CMRR test limits @ 23 °C	80 dB @ 50 Hz; 60 dB @ 1 MHz
Attenuation	50× / 500× class
Gain accuracy	~1% class (A-series literature)
Interface	ProBus with Auto Zero Disconnect
Cable	~2 m standard; 6 m optional

HVD3106A Specifications

PARAMETER	VALUE
Teledyne LeCroy HVD3106A High Voltage Differential Probe	Overview
Applications	380–600 V class apparatus; half-bridge and inverter floating measurements; solar PV inverter work within 1 kV rating.
Key Features	- Bandwidth (probe only): 120 MHz (2 m); 80 MHz (HVD3106A-6M)
Technical Specifications	Model: HVD3106A
Electrical	Bandwidth: 120 MHz
Notes	Specs from Teledyne LeCroy HVD3106A datasheet / HVD310xA operator manual. Confirm cable length and accessory 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	HVD3106A
Manufacturer	Teledyne LeCroy
Instrument Type	High Voltage Differential Probe
Alias	HVD3106A; LeCroy HVD3106A
Electrical	
Electrical	
PARAMETER	VALUE
Bandwidth	120 MHz
Rise time	2.9 ns
Diff. high atten.	1500 V (DC+peak AC)
CMRR	80 dB @ 50 Hz; 60 dB @ 1 MHz
Notes	
Specs from Teledyne LeCroy HVD3106A datasheet / HVD310xA operator manual. Confirm cable length and accessory 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

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.