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Data Sheet

August 12, 2026

LECROY

LeCroy ADP300 High-Voltage Differential Probe, 1400 V, 20MHz

Teledyne LeCroy ADP300 High-Voltage Differential Probe The ADP300 isaProBus high-voltage active differential probe for low-frequency power-electronics troubleshooting where the reference is elevated or ground location is unknown. 20 MHz bandwidth; 1400 V peak differential; 1000 V rms CAT III common mode; EN 61010 CAT III. The ADP300 isaProBus high-voltage active differential probe for low-frequency power-electronics troubleshooting where the reference is elevated or ground location is unknown. 20 MHz bandwidth; 1400 V peak differential; 1000 V rms CAT III common mode; EN 61010 CAT III.



MODEL

LeCroy ADP300

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

ADP300

LISTING

<https://aumictechlabs.com/products/adp300-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The LeCroy ADP300 is a high-voltage active differential probe engineered for precision measurement of elevated voltage potentials in power electronics and industrial test environments. It delivers 20 MHz bandwidth with 1400 V peak differential voltage capability and ± 1000 V RMS common-mode range, making it ideal for troubleshooting circuits where ground reference is elevated or unknown. Attenuation (100X or 1000X) is automatically selected by the oscilloscope. The probe integrates directly with compatible Teledyne LeCroy instruments via the

ProBus system, which supplies power, handles communication, and enables complete front-panel or remote control of measurement parameters.

Technical Specifications

Bandwidth & Voltage Performance Bandwidth: 20 MHz Differential voltage range: 1400 V peak Common-mode voltage range: ± 1000 V RMS CAT III Input impedance: 8 M Ω differential; 4 M Ω each input to ground (DC) Input capacitance: 8 pF each input to ground Maximum slew rate: 60,000 V/ μ s AC noise: 50 mVRMS Common-mode rejection ratio: 80 dB at 50/60 Hz (10,000:1)

Measurement Accuracy Low-frequency accuracy: 2% (standard); 1% of reading (probe-only) Sensitivity range: 1 V/div to 350 V/div

Physical & Environmental Length: 2 meters Input connectors: 4 mm shrouded banana plug Operating temperature: 0°C to 50°C Maximum altitude: 2000 meters Maximum relative humidity: 80% (non-condensing, $\leq 31^\circ\text{C}$)

Key Features AutoZero function for probe offset zeroing via oscilloscope coupling menu Dual attenuation modes (100X/1000X) with automatic selection ProBus integration eliminates external power supplies and batteries Full remote control capability with measurement setup save/recall EN61010 Category III compliance for fixed installations and portable equipment (CAT II) Automatic scope input termination to 1 M Ω with integrated probe control

Typical Applications Power electronics testing, elevated ground reference circuits, industrial power device troubleshooting, low-frequency high-voltage measurements.

Compatibility & Integration ProBus-equipped Waverunner and LC series oscilloscopes including LC Series, LT Series, WS 400 Series, WS Xs Series, WR6000(A) Series, WR Xi Series, WP 900 Series, and WP7000(A) Series.

Features & description

From manufacturer datasheet

Features

• Bandwidth: 20 MHz • Differential voltage: 1400 V peak • Common mode voltage: 1000 V rms CAT III • Attenuation: $\div 100$ / $\div 1000$ (automatically selected by scope) • Low-frequency accuracy (probe only): 1% of reading • CMRR at 50/60 Hz: 80 dB (10,000:1) • CMRR at 100 kHz: 50 dB (300:1) • Max slew rate referenced to input: 60,000 V/ μ s • AC noise referenced to input: 50 mV rms • Input impedance between inputs: 8 M Ω , 6 pF • Input impedance each input to ground: 4 M Ω , 1 pF • Sensitivity: 1 V/div to 350 V/div • Interface: ProBus, 1 M Ω • Overall length: 2 m • Input connectors: 4 mm shrouded banana • Operating temperature: 0 °C to 50 °C • Safety: EN 61010 CAT III • Full remote control via ProBus host • Requires AP-1M for oscilloscopes with 50 Ω -only inputs

Applications

• Floating measurements on power converters • Elevated-reference low-frequency power devices • ProBus remote-controlled HV differential probing • Circuits requiring 1 M Ω scope input (AP-1M for 50 Ω -only scopes)

ADP300 Characteristics / Specifications

PARAMETER	VALUE
Model	ADP300
Manufacturer	Teledyne LeCroy
Instrument Type	High-Voltage Differential Probe
Alias	ADP300; AP300; LeCroy ADP300
Bandwidth	20 MHz
Differential voltage	1400 V peak
Common mode voltage	1000 V rms CAT III
Attenuation	÷100 / ÷1000 (automatically selected by scope)
LF accuracy	1% of reading
CMRR 50/60 Hz	80 dB
CMRR 100 kHz	50 dB
Max slew rate	60000 V/μs
AC noise	50 mV rms
InputZbetween inputs	8 MΩ 6 pF
InputZto ground	4 MΩ 1 pF
Sensitivity	1 V/div to 350 V/div
Cable length	2 m
Operating temperature	0 °C to 50 °C
Interface	ProBus Notes Specs from Teledyne LeCroy ADP30X / High Voltage Differential Probe datasheet. Confirm tip kit and ProBus host on the unit.
Low-frequency accuracy (probe only)	1% of reading
CMRR at 50/60 Hz	80 dB (10,000:1)
CMRR at 100 kHz	50 dB (300:1)
Max slew rate referenced to input	60,000 V/μs
AC noise referenced to input	50 mV rms

PARAMETER	VALUE
Input impedance between inputs	8 M Ω , 6 pF
Input impedance each input to ground	4 M Ω , 1 pF
Overall length	2 m
Input connectors	4 mm shrouded banana
Safety	EN 61010 CAT III

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 °C to 50 °C - Safety: EN 61010 CAT III - Full remote control via ProBus host - Requires AP-1M for oscilloscopes with 50 Ω-only inputs
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Common mode voltage	1000 Vrms CAT III
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LF accuracy	1% of reading
CMRR 50/60 Hz	80 dB
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Max slew rate	60000 V/μs
AC noise	50 mV rms
InputZbetween inputs	8 MΩ 6 pF
InputZto ground	4 MΩ 1 pF
Sensitivity	1 V/div to 350 V/div
Cable length	2 m
Interface	ProBus Notes Specs from Teledyne LeCroy ADP30X / High Voltage Differential Probe datasheet. Confirm tip kit and ProBus host 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	
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Model	ADP300
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Instrument Type	High-Voltage Differential Probe
Alias	ADP300; AP300; LeCroy ADP300
Specifications	
PARAMETER	VALUE
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InputZto ground	4 MΩ 1 pF
Sensitivity	1 V/div to 350 V/div
Cable length	2 m
Operating temperature	0–50 °C
Interface	ProBus
Notes	
Specs from Teledyne LeCroy ADP30X / High Voltage Differential Probe datasheet. Confirm tip kit and ProBus host 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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
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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.