

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

TELEDYNE LECROY

LeCroy AP015 AC/DC Current Probe, 50MHz, 50 A Peak Pulse

Teledyne LeCroy AP015 AC/DC Current Probe The AP015 isaProBus-powered AC/DC current clamp for Teledyne LeCroy oscilloscopes. Warranted DC accuracy and typical RF performance after 20 min warm-up at stable ambient; cal interval 1 year; specs at 23 ±5 °C ambient unless noted. The AP015 isaProBus-powered AC/DC current clamp for Teledyne LeCroy oscilloscopes. Warranted DC accuracy and typical RF performance after 20 min warm-up at stable ambient; cal interval 1 year; specs at 23 ±5 °C ambient unless noted.



MODEL

**Teledyne LeCroy
AP015**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

AP015

LISTING

<https://aumictechlabs.com/products/ap015-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The LeCroy AP015 is an AC/DC current probe that measures both alternating and direct currents across a 50 MHz bandwidth. It handles peak pulse currents to 50 A and connects directly to Teledyne LeCroy oscilloscope input channels, delivering real-time current waveform acquisition for power analysis, device characterization, and circuit diagnostics. Technical Specifications

Current Measurement AC current measurement: Yes DC current measurement: Yes Peak pulse

current: 50 A Bandwidth: 50 MHz Connector & Power Output connector: Oscilloscope input

channel (BNC or proprietary, oscilloscope-dependent) Power: Supplied by host Teledyne LeCroy

oscilloscopeKey Features Dual AC/DC measurement capability for versatile signal conditioning 50

MHz bandwidth supports transient analysis and harmonic content observation 50 A peak pulse rating accommodates inrush currents and switching transients Direct oscilloscope integration eliminates external instrumentation Probe-based architecture for non-invasive circuit current monitoring Typical Applications Power supply efficiency and loss measurement Switching frequency and harmonic analysis Inrush current characterization in power conversion circuits Load profiling and transient response observation Device thermal stress assessment via current waveforms Compatibility & Integration The AP015 interfaces with Teledyne LeCroy oscilloscope channels. Connector type and power delivery depend on oscilloscope model. Verify specific compatibility with your instrument before deployment.

Features & description

From manufacturer datasheet

Features

• Interface: ProBus • Coupling: AC, GND, DC • Bandwidth: DC to 50 MHz • Rise time: <7 ns (typical) • Continuous current: ± 30 A DC • Peak current: ± 50 A maximum (<10 s) • Sensitivity: 10 mA/div to 20 A/div • Offset range: ± 100 A maximum • DC accuracy: $\pm 1\%$ of reading to 15 A (25 °C, after degauss) • DC accuracy: $\pm 2\%$ of reading to 30 A (25 °C, after degauss) • Slew rate: >1.6 A/ns (sensitivity ≥ 1 A/div, typical) • Insertion impedance: <0.06 Ω at 5 MHz (typical) • Maximum conductor size: 5 mm • Maximum voltage bare conductor: 300 V CAT I • Maximum voltage bare conductor: 150 V CAT II • Cable length: 2 m • Weight probe only: 300 g (10.6 oz) • Operating temperature: 0 °C to 40 °C • Relative humidity: 80% max up to 31 °C • Altitude: 2000 m maximum • Environment: indoor use • Power: from oscilloscope via ProBus (no external supply) • Warm-up: 20 minutes with power applied • Calibration interval: 1 year

Applications

• Non-intrusive AC/DC current waveforms • Power electronics current analysis • Deskew with DCS015 calibration source • Multi-probe setups (no ProBus probe-count restriction)

AP015 Characteristics / Specifications

PARAMETER	VALUE
Model	AP015
Manufacturer	Teledyne LeCroy
Instrument Type	AC/DC Current Probe
Alias	AP015; LeCroy AP015
Bandwidth	DC to 50 MHz
Rise time	<7 ns (typical)
Continuous current	±30 A DC
Peak current	±50 A maximum (<10 s)
Sensitivity	10 mA/div to 20 A/div
Offset range	±100 A maximum
DC accuracy to 15 A	±1% of reading @ 25 °C after degauss
DC accuracy to 30 A	±2% of reading @ 25 °C after degauss
Slew rate	>1.6 A/ns (sensitivity ≥1 A/div, typical)
Insertion impedance	<0.06 Ω at 5 MHz (typical)
Max conductor diameter	5 mm
Max voltage CAT I	300 V
Max voltage CAT II	150 V
Cable length	2 m
Weight	300 g
Operating temperature	0 °C to 40 °C
Humidity	80% RH max to 31 °C
Altitude	2000 m maximum
Interface	ProBus
Coupling	AC / GND / DC Notes Specs from Teledyne LeCroy AP015 Instruction Manual (nominal, warranted, and typical sections). Confirm serial and ProBus host firmware on the unit.

PARAMETER	VALUE
DC accuracy	±1% of reading to 15 A (25 °C, after degauss)
Maximum conductor size	5 mm
Maximum voltage bare conductor	300 V CAT I
Weight probe only	300 g (10.6 oz)
Relative humidity	80% max up to 31 °C
Environment	indoor use
Power	from oscilloscope via ProBus (no external supply)
Warm-up	20 minutes with power applied
Calibration interval	1 year

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 °C to 40 °C - Relative humidity: 80% max up to 31 °C - Altitude: 2000 m maximum - Environment: indoor use - Power: from oscilloscope via ProBus (no external supply) - Warm-up: 20 minutes with power
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Instrument Type	AC/DC Current Probe
Alias	AP015; LeCroy AP015
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Rise time	<7 ns
Continuous current	±30 A
Peak current	±50 A (<10 s)
Sensitivity	10 mA/div – 20 A/div
Offset range	±100 A
DC accuracy to 15 A	±1% of reading @ 25 °C after degauss
DC accuracy to 30 A	±2% of reading @ 25 °C after degauss
Slew rate	>1.6 A/ns (≥1 A/div)
Insertion impedance	<0.06 Ω @ 5 MHz
Max conductor diameter	5 mm
Max voltage CAT I	300 V
Max voltage CAT II	150 V
Cable length	2 m
Weight	300 g

PARAMETER	VALUE
Altitude	2000 m
Interface	ProBus
Coupling	AC / GND / DC Notes Specs from Teledyne LeCroy AP015 Instruction Manual (nominal, warranted, and typical sections). Confirm serial and ProBus host firmware 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.

performance after 20 min warm-up at stable ambient; cal interval 1 year; specs at 23 ±5 °C ambient unless noted.

Applications

- Non-intrusive AC/DC current waveforms
- Power electronics current analysis
- Deskew with DCS015 calibration source
- Multi-probe setups (no ProBus probe-count restriction)

Key Features

- Interface: ProBus
- Coupling: AC, GND, DC
- Bandwidth: DC to 50 MHz
- Rise time: <7 ns (typical)
- Continuous current: ±30 A DC
- Peak current: ±50 A maximum (<10 s)
- Sensitivity: 10 mA/div to 20 A/div
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- DC accuracy: ±1% of reading to 15 A (25 °C, after degauss)
- DC accuracy: ±2% of reading to 30 A (25 °C, after degauss)
- Slew rate: >1.6 A/ns (sensitivity ≥1 A/div, typical)
- Insertion impedance: <0.06 Ω at 5 MHz (typical)
- Maximum conductor size: 5 mm
- Maximum voltage bare conductor: 300 V CAT I
- Maximum voltage bare conductor: 150 V CAT II
- Cable length: 2 m
- Weight probe only: 300 g (10.6 oz)
- Operating temperature: 0 °C to 40 °C
- Relative humidity: 80% max up to 31 °C
- Altitude: 2000 m maximum
- Environment: indoor use
- Power: from oscilloscope via ProBus (no external supply)
- Warm-up: 20 minutes with power applied
- Calibration interval: 1 year

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	AP015
Manufacturer	Teledyne LeCroy
Instrument Type	AC/DC Current Probe
Alias	AP015; LeCroy AP015

Specifications

PARAMETER	VALUE
Bandwidth	DC to 50 MHz
Rise time	<7 ns

PARAMETER	VALUE
Continuous current	±30 A
Peak current	±50 A (<10 s)
Sensitivity	10 mA/div - 20 A/div
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DC accuracy to 15 A	±1% of reading @ 25 °C after degauss
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Insertion impedance	<0.06 Ω @ 5 MHz
Max conductor diameter	5 mm
Max voltage CAT I	300 V
Max voltage CAT II	150 V
Cable length	2 m
Weight	300 g
Operating temperature	0–40 °C
Humidity	80% RH max to 31 °C
Altitude	2000 m
Interface	ProBus
Coupling	AC / GND / DC

Notes

Specs from Teledyne LeCroy AP015 Instruction Manual (nominal, warranted, and typical sections). Confirm serial and ProBus host firmware 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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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.