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Data Sheet

August 12, 2026

LECROY

LeCroy DXC-5100 Differential Probe Pair, 250MHz

Teledyne LeCroy DXC-5100 High-Voltage Differential Probe Pair The DXC-5100 (DXC5100) is a $\div 100$, 250 MHz, 2.5 kV high-voltage passive differential probe pair for Teledyne LeCroy DA1855A differential amplifiers. OEM catalog states DA101 $\div 10$ 1 M Ω external passive attenuator is required for full performance. The DXC-5100 (DXC5100) is a $\div 100$, 250 MHz, 2.5 kV high-voltage passive differential probe pair for Teledyne LeCroy DA1855A differential amplifiers. OEM catalog states DA101 $\div 10$ 1 M Ω external passive attenuator is required for full performance.



MODEL Lecroy DXC-5100	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU DXC-5100	LISTING https://aumictechlabs.com/products/dxc-5100-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The LeCroy DXC-5100 is a passive differential probe pair that adds true differential measurement capability to oscilloscopes equipped only with single-ended inputs. Operating at 250 MHz bandwidth, this probe pair features selectable 100:1 or 10:1 attenuation ratios and can work with Teledyne LeCroy differential amplifiers for signal conditioning and measurement of differential signals in high-speed applications. Technical Specifications Bandwidth: 250 MHz Attenuation Ratio: Selectable 100:1 or 10:1 Input Resistance: 10 M Ω or 40 M Ω (100:1 attenuation); 1 M Ω (10:1 attenuation) Input Capacitance: 2.75 pF Maximum Input Voltage: 2500 V differential Cable Length: 1.2 m Connector: Teledyne LeCroy ProBusKey Features Passive attenuation design minimizes

circuit loading and maintains signal integrity Low input capacitance (2.75 pF) reduces probe-induced distortion at higher frequencies High input impedance options preserve circuit characteristics during measurement Selectable attenuation enables flexible gain configuration for varying signal amplitudes Black finish and compact 1.2 m cable length support bench and in-circuit measurements

System Performance When paired with differential amplifiers, the DXC-5100 achieves extended bandwidth performance: up to 100 MHz with DA1855A amplifiers and up to 10 MHz with DA1822 amplifiers. Common mode rejection capabilities support precision differential measurements across diverse signal environments.

Compatibility & Integration The DXC-5100 operates as a passive attenuator within the DXC probe ecosystem and requires compatible Teledyne LeCroy differential amplifiers - including DA101, DA1855A, or DA1822 - for full measurement performance. This architecture enables modular configuration across oscilloscopes, network analyzers, and spectrum analyzers that support ProBus connectivity and differential signal conditioning.

Features & description

From manufacturer datasheet

Features

• Attenuation: $\div 100$ • Bandwidth: 250 MHz • Voltage class: 2.5 kV high-voltage probe pair • Requires DA101: $\div 10$, 1 M Ω external passive attenuator for full performance • Host amplifier: DA1855A differential amplifier family • Form: matched HV passive differential probe pair • Related accessories: DA101 recommended with DXC-5100

Applications

• High-voltage floating differential measurements with DA1855A • Power and elevated-potential circuits within 2.5 kV class • Matched HV passive pair for CMRR-critical work

DXC5100 Characteristics / Specifications

PARAMETER	VALUE
Model	DXC-5100
Manufacturer	Teledyne LeCroy
Instrument Type	High-Voltage Passive Differential Probe Pair
Alias	DXC-5100; DXC5100; LeCroy DXC-5100
Attenuation	÷100
Bandwidth	250 MHz
Voltage rating class	2.5 kV
Required accessory	DA101 ÷10 1 MΩ attenuator
Host	DA1855A Notes Specs from Teledyne LeCroy probe catalog (DA1855A accessories section). Confirm DA101 presence, tip kit, and cable condition on the unit. Finer Rin/Cin limits belong on OEM/calibration docs if present with the pair.
Voltage class	2.5 kV high-voltage probe pair
Requires DA101	÷10, 1 MΩ external passive attenuator for full performance
Host amplifier	DA1855A differential amplifier family
Form	matched HV passive differential probe pair
Related accessories	DA101 recommended with DXC-5100

DXC5100 Specifications

PARAMETER	VALUE
Applications	- High-voltage floating differential measurements with DA1855A
Key Features	- Attenuation: $\div 100$
Technical Specifications	Model: DXC-5100

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.

Applications

- High-voltage floating differential measurements with DA1855A
- Power and elevated-potential circuits within 2.5 kV class
- Matched HV passive pair for CMRR-critical work

Key Features

- Attenuation: ± 100
- Bandwidth: 250 MHz
- Voltage class: 2.5 kV high-voltage probe pair
- Requires DA101: ± 10 , 1 M Ω external passive attenuator for full performance
- Host amplifier: DA1855A differential amplifier family
- Form: matched HV passive differential probe pair
- Related accessories: DA101 recommended with DXC-5100

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	DXC-5100
Manufacturer	Teledyne LeCroy
Instrument Type	High-Voltage Passive Differential Probe Pair
Alias	DXC-5100; DXC5100; LeCroy DXC-5100

Specifications

PARAMETER	VALUE
Attenuation	± 100
Bandwidth	250 MHz
Voltage rating class	2.5 kV
Required accessory	DA101 ± 10 1 M Ω attenuator
Host	DA1855A

Notes

Specs from Teledyne LeCroy probe catalog (DA1855A accessories section). Confirm DA101 presence, tip kit, and cable condition on the unit. Finer Rin/Cin limits belong on OEM/calibration docs if present with the pair.

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.