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Data Sheet

August 13, 2026

LECROY

LeCroy DXC200 Passive Differential Probe Pair, 50MHz

Teledyne LeCroy DXC200 Passive Differential Probe Pair (50 MHz) The Teledyne LeCroy DXC200 is a matched x1 passive differential probe pair for use with DA1800-series differential amplifiers (DA1855A/DA1850 and DA1822A/DA1820). It provides about 50 MHz system bandwidth with DA1855/DA1850 and about 10 MHz with DA1822/DA1820, while minimizing capacitance loading versus coax and preserving amplifier gain and CMRR. Cable length is about 0.7 m. Maximum input is 500 V, limited by the amplifier maximum input voltage. Related higher-bandwidth passive pair: DXC100A (10x/100x, 250 MHz probe class). The Teledyne LeCroy DXC200 is a matched x1 passive differential probe pair for use with DA1800-series differential amplifiers (DA1855A/DA1850 and DA1822A/DA1820). It provides about 50 MHz system bandwidth with DA1855/DA1850 and about 10 MHz with DA1822/DA1820, while minimizing capacitance loading versus coax and preserving amplifier gain and CMRR. Cable length is about 0.7 m. Maximum input is 500 V, limited by the amplifier maximum input voltage. Related higher-bandwidth passive pair: DXC100A (10x/100x, 250 MHz probe class). Passive differential measurements with DA1855A; floating/differential probing where x1 and high CMRR are required; power-supply and general-purpose differential work within amplifier voltage limits.



MODEL

Lecroy DXC200

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

DXC200

LISTING

<https://aumictechlabs.com/products/dxc200-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The LeCroy DXC200 is a passive differential probe pair engineered for high-fidelity differential signal measurements with minimal capacitance loading. This x1 attenuation probe pair integrates with Teledyne LeCroy DA1800 series differential amplifiers to deliver full gain and Common Mode Rejection Ratio (CMRR) performance at the probe tip, enabling 100 M Ω input resistance measurements across demanding test environments.

Technical Specifications

Bandwidth & Speed
DC to 50 MHz with DA1855A amplifier
DC to 10 MHz with DA1822A amplifier
Rise time: 7 ns (typical) with DA1850/DA1855 amplifiers
Rise time: 35 ns (typical) with DA1820/DA1822 amplifiers

Input Characteristics
Input resistance: 100 M Ω
Maximum input voltage: 500 V
Attenuation: x1

Physical
Cable length: 0.7 meters
Color: Black

Key Features
Passive differential design minimizes capacitance loading versus coaxial cable alternatives
Full DA1800 series amplifier gain available at probe tip
Maintains specified CMRR across supported bandwidth
Practical probe-to-circuit attachment geometry
x1 unity gain configuration for direct voltage measurement

Typical Applications
Differential signal acquisition on low-impedance circuits where capacitive loading and signal integrity are critical.
Power supply rail monitoring, differential pair characterization, and low-level analog signal detection in presence of high common-mode voltages.

Compatibility & Integration
Compatible Amplifiers: DA1855A, DA1850 (50 MHz bandwidth) DA1822A, DA1820 (10 MHz bandwidth) DA1800 series
Oscilloscope Integration: Compatible with specific Teledyne LeCroy oscilloscopes. Verify ProBus interface and MAUI firmware compatibility with target instrument. Designed for use with instruments featuring permanent earth grounding.

Features & description

From manufacturer datasheet

Features

- Matched x1 passive differential probe pair

DXC200 Characteristics / Specifications

PARAMETER	VALUE
Model	DXC200
Manufacturer	Teledyne LeCroy
Instrument Type	Passive differential probe pair
Attenuation	x1
Risetime Typical with DA1855/DA18	7 ns
Risetime Typical with DA1822/DA18	35 ns
Maximum Input Voltage	500 V (limited to amplifier max input)
Cable Length	0.7 m
Host Amplifiers	DA1855A, DA1850, DA1822A, DA1820 class
Host Input Resistance Advantage	Supports DA1800 100 Mohm input resistance setting
Loading	Lower capacitance than coaxial cable attachment
CMRR	Full DA1800 series CMRR maintained (matched pair)
Alias	DXC200; LeCroy DXC200
Related Probe Pair	DXC100A (10x/100x, higher bandwidth)
Form	Matched dual-probe set with compensation/interconnect for DA1800
Product Category	Passive differential oscilloscope probes
Use Domain	Differential amplifier front-end probing Notes Specs from Teledyne LeCroy DXC200 / DA1800 documentation and authorized reseller tables. Confirm DA1855A vs DA1822 pairing and do not exceed amplifier input voltage ratings.
Related	DXC100A attenuating pair
Bandwidth	with DA1855/DA1850 and about 10 MHz with DA1822/DA1820, while minimizing capacitance loading versus coax and preserving amplifier gain and CMRR. Cable length is about 0.7 m. Maximum input is 500 V, limited by the amplifier maximum input voltage. Rela

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	DXC200
Manufacturer	Teledyne LeCroy
Instrument Type	Passive differential probe pair
Attenuation: x1	
Bandwidth with DA1855/DA1850 (-3 dB): 50 MHz	
Bandwidth with DA1822/DA1820 (-3 dB): 10 MHz	
Specifications	
PARAMETER	VALUE
Risetime Typical with DA1855/DA1850	7 ns
Risetime Typical with DA1822/DA1820	35 ns
Maximum Input Voltage	500 V (limited to amplifier max input)
Specifications	
PARAMETER	VALUE
Cable Length	0.7 m
Host Amplifiers	DA1855A, DA1850, DA1822A, DA1820 class
Host Input Resistance Advantage	Supports DA1800 100 Mohm input resistance setting
Specifications	
PARAMETER	VALUE
Loading	Lower capacitance than coaxial cable attachment
CMRR	Full DA1800 series CMRR maintained (matched pair)
Alias	DXC200; LeCroy DXC200
Specifications	
PARAMETER	VALUE
Related Probe Pair	DXC100A (10x/100x, higher bandwidth)

PARAMETER	VALUE
Form	Matched dual-probe set with compensation/interconnect for DA1800
Product Category	Passive differential oscilloscope probes

Use Domain: Differential amplifier front-end probing

Notes

Specs from Teledyne LeCroy DXC200 / DA1800 documentation and authorized reseller tables. Confirm DA1855A vs DA1822 pairing and do not exceed amplifier input voltage ratings.

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.