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Data Sheet

August 12, 2026

TELEDYNE LECROY

Teledyne LeCroy ZS4000 Active Voltage Probe, 4.0 GHz, 0.6 pF, 1 MOhm

Teledyne LeCroy ZS4000 Active Voltage Probe The Teledyne LeCroy ZS4000 is the 4 GHz model of the ZS Series high-impedance active voltage probes, with 1 MΩ // 0.6 pF input for minimal loading through full probe bandwidth. ProBus interface; suited to 2.5–4 GHz class oscilloscopes. High-speed digital and RF edge probing; low-loading active measurement to 4 GHz; confined-space probing with tip accessories. Instrument Type: High-Impedance Active Voltage Probe The Teledyne LeCroy ZS4000 is the 4 GHz model of the ZS Series high-impedance active voltage probes, with 1 MΩ // 0.6 pF input for minimal loading through full probe bandwidth. ProBus interface; suited to 2.5–4 GHz class oscilloscopes. High-speed digital and RF edge probing; low-loading active measurement to 4 GHz; confined-space probing with tip accessories. Instrument Type: High-Impedance Active Voltage Probe Specs from Teledyne LeCroy ZS Series datasheet. Listing matches 4.0 GHz, 0.6 pF, 1 MΩ. Confirm tip kit and ProBus.



MODEL

**Teledyne LeCroy
ZS4000**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

ZS4000

LISTING

<https://aumictechlabs.com/products/zs4000-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Teledyne LeCroy ZS4000 is an active voltage probe engineered for precision measurement of high-speed signals in demanding signal integrity applications. Operating at 4.0 GHz bandwidth with 0.6 pF input capacitance and 1 MOhm input resistance, it minimizes loading effects on the device under test while preserving waveform fidelity. The 10:1 attenuation ratio and low capacitive signature make this probe ideal for high-frequency digital design verification and signal characterization on compatible Teledyne LeCroy oscilloscope platforms.

Technical Specifications
Bandwidth: 4.0 GHz Input Capacitance: 0.6 pF Input Resistance: 1 MOhm Probe Type: Active Voltage Probe Attenuation: 10:1 (typical)

Key Features
Low input capacitance minimizes capacitive loading on high-impedance circuits
High input resistance reduces resistive loading effects
Maintains signal integrity for high-frequency measurements
Designed to minimize reflections and waveform distortion
Compatible with Teledyne LeCroy oscilloscope input channels using proprietary connectors
Powered via compatible Teledyne LeCroy oscilloscope or external power adapter

Typical Applications
High-speed digital interface debugging (DDR memory, SerDes, high-speed serial buses)
Signal integrity verification and analysis
High-frequency waveform measurement and characterization
Laboratory and field signal analysis

Compatibility & Integration
Designed for integration with Teledyne LeCroy oscilloscopes supporting the specific probe interface and power requirements. Standard probe tip sets, ground leads, and connection accessories are included. Optional specialized probe tips are available for enhanced measurement capability in varied measurement scenarios. Maximum input voltage specifications vary by oscilloscope model and probe tip accessory selection.

Features & description

From manufacturer datasheet

Features

• Probe bandwidth: 4 GHz • DC input resistance: 1 M Ω • Input capacitance: 0.6 pF • Attenuation: $\div 10$ • Input dynamic range: ± 8 V • Offset range: ± 12 V • Non-destruct voltage: 20 V • Cable length: 1.3 m • Interface: ProBus

ZS4000 Characteristics / Specifications

PARAMETER	VALUE
Model	ZS4000
Manufacturer	Teledyne LeCroy
Instrument Type	High-Impedance Active Voltage Probe
Family	ZS Series
Alias	ZS4000; LeCroy ZS4000 Electrical
Bandwidth	4 GHz
Input R	1 MΩ
Input C	0.6 pF
Dynamic range	±8 V
Offset	±12 V
Attenuation	10:1
Probe bandwidth	4 GHz
DC input resistance	1 MΩ
Input capacitance	0.6 pF
Input dynamic range	±8 V
Offset range	±12 V
Non-destruct voltage	20 V
Cable length	1.3 m
Interface	ProBus

ZS4000 Specifications

PARAMETER	VALUE
Teledyne LeCroy ZS4000 Active Voltage Probe	Overview
Applications	High-speed digital and RF edge probing; low-loading active measurement to 4 GHz; confined-space probing with tip accessories.
Key Features	- Probe bandwidth: 4 GHz
Technical Specifications	Model: ZS4000
Electrical	Bandwidth: 4 GHz
Notes	Specs from Teledyne LeCroy ZS Series datasheet. Listing matches 4.0 GHz, 0.6 pF, 1 MΩ. Confirm tip kit and ProBus.

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	ZS4000
Manufacturer	Teledyne LeCroy
Instrument Type	High-Impedance Active Voltage Probe
Family	ZS Series
Alias	ZS4000; LeCroy ZS4000

Electrical

Electrical

PARAMETER	VALUE
Bandwidth	4 GHz
Input R	1 MΩ
Input C	0.6 pF
Dynamic range	±8 V
Offset	±12 V
Attenuation	10:1

Non-destruct: 20 V

Notes

Specs from Teledyne LeCroy ZS Series datasheet. Listing matches 4.0 GHz, 0.6 pF, 1 MΩ. Confirm tip kit and ProBus.

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.