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Data Sheet

August 12, 2026

TELEDYNE LECROY

Teledyne LeCroy ZS1000 Active Voltage Probe, 1 Ghz, .9 Pf, 1 MOhm

Teledyne LeCroy ZS1000 Active Voltage Probe The Teledyne LeCroy ZS1000 is a 1 GHz high-impedance active voltage probe (ZS Series) with 1 M Ω // 0.9 pF input for low loading across the probe/scope bandwidth. ProBus interface; suited to 200–600 MHz class oscilloscopes (and up to 1 GHz systems). General active probing where passive probes load HF edges; mixed-signal and digital debug; confined-space probing with tip accessories. The Teledyne LeCroy ZS1000 is a 1 GHz high-impedance active voltage probe (ZS Series) with 1 M Ω // 0.9 pF input for low loading across the probe/scope bandwidth. ProBus interface; suited to 200–600 MHz class oscilloscopes (and up to 1 GHz systems). General active probing where passive probes load HF edges; mixed-signal and digital debug; confined-space probing with tip accessories.



MODEL

**Teledyne LeCroy
ZS1000**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

ZS1000

LISTING

<https://aumictechlabs.com/products/zs1000-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Teledyne LeCroy ZS1000 is a 1 GHz active voltage probe designed for high-frequency measurements with minimal circuit loading. It delivers a 1 M Ω input resistance and 0.9 pF input capacitance for exceptional signal fidelity in sensitive measurement applications. The probe integrates with Teledyne LeCroy oscilloscopes via the ProBus interface, enabling automatic scale

factor adjustment and front-panel control without manual rescaling. Its 10:1 attenuation ratio and ± 8 V input dynamic range support voltage measurements up to 20 V maximum input without damage. The probe's low input impedance of 354 Ω at 500 MHz - compared to 34 Ω for equivalent passive probes - reduces circuit loading while maintaining measurement accuracy across complex electronic systems.

Technical Specifications
Bandwidth: 1 GHz
Input Capacitance: 0.9 pF
DC Input Resistance: 1 M Ω
Input Impedance at 500 MHz: 354 Ω
Attenuation Ratio: 10:1
Input Dynamic Range: ± 8 V
Maximum Input Voltage: 20 V
Cable Length: 1.3 m

Key Features
ProBus connectivity enables oscilloscope-sourced probe power and front-panel control. Automatic rescaling of measurement values eliminates manual scale factor adjustments. 0.9 pF input capacitance reduces parasitic loading on test circuits. 10:1 attenuation extends measurement range to ± 8 V dynamic inputs. Optimized for oscilloscope bandwidths 200–600 MHz with compatibility extending to 4 GHz platforms.

Typical Applications
The ZS1000 addresses precision measurements in high-frequency circuits, sensitive analog signal characterization, and complex digital timing analysis where minimal circuit perturbation is critical. Its low input capacitance makes it suitable for high-impedance nodes and fine-detail signal acquisition.

Compatibility & Integration
Compatible with all ProBus oscilloscopes. Direct support for WaveSurfer 3000z, WaveSurfer 4000HD, HDOxxxx, WaveRunner 9000, WaveRunner 8000HD, MDA 8000HD, WavePro HD, WaveMaster / SDA / DDA 8 Zi-B, and WaveMaster 8000HD series. Backward compatibility extends to WaveSurfer, WaveRunner, WaveMaster, and WavePro platforms running firmware 4.9.3 or later. Extensive accessory ecosystem includes IC tips, ground blades, micro-grabbers, right-angle leads, and channel ID clips for diverse probing configurations.

Features & description

From manufacturer datasheet

Features

• Probe bandwidth: 1 GHz • DC input resistance: 1 M Ω • Input capacitance: 0.9 pF • Attenuation: $\div 10$ • Input dynamic range: ± 8 V • Offset range: N/A on ZS1000 (offset available on higher ZS models) • Non-destruct voltage: 20 V • Cable length: 1.3 m • Interface: ProBus

ZS1000 Characteristics / Specifications

PARAMETER	VALUE
Model	ZS1000
Manufacturer	Teledyne LeCroy
Instrument Type	High-Impedance Active Voltage Probe
Family	ZS Series
Alias	ZS1000; LeCroy ZS1000 Electrical
Bandwidth	1 GHz
Input R	1 M Ω
Input C	0.9 pF
Dynamic range	± 8 V
Attenuation	10:1
Cable	1.3 m
Interface	ProBus Notes Specs from Teledyne LeCroy ZS Series datasheet / product page. Listing also cites 1 GHz, 0.9 pF, 1 M Ω . Confirm accessories and ProBus operation.
Probe bandwidth	1 GHz
DC input resistance	1 M Ω
Input capacitance	0.9 pF
Input dynamic range	± 8 V
Offset range	N/A on ZS1000 (offset available on higher ZS models)
Non-destruct voltage	20 V
Cable length	1.3 m

ZS1000 Specifications

PARAMETER	VALUE
Teledyne LeCroy ZS1000 Active Voltage Probe	Overview
Key Features	- Probe bandwidth: 1 GHz
Technical Specifications	Model: ZS1000
Electrical	Bandwidth: 1 GHz
Mechanical / Interface	Cable: 1.3 m

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	ZS1000
Manufacturer	Teledyne LeCroy
Instrument Type	High-Impedance Active Voltage Probe
Family	ZS Series
Alias	ZS1000; LeCroy ZS1000

Electrical

Electrical

PARAMETER	VALUE
Bandwidth	1 GHz
Input R	1 MΩ
Input C	0.9 pF
Dynamic range	±8 V
Attenuation	10:1

Non-destruct: 20 V

Mechanical / Interface

Cable: 1.3 m

Interface: ProBus

Notes

Specs from Teledyne LeCroy ZS Series datasheet / product page. Listing also cites 1 GHz, 0.9 pF, 1 MΩ. Confirm accessories and ProBus operation.

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.