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Data Sheet

August 3, 2026

LECROY

LeCroy HDO8058

Teledyne LeCroy HDO8058 High Definition Oscilloscope 500 MHz The HDO8058 provides a Teledyne LeCroy HDO8000-series High Definition Oscilloscope with 12-bit ADC architecture, 500 MHz bandwidth, and 2.5 GS/s sample rate as listed. HDO8000 instruments emphasize low noise and high vertical resolution versus classic 8-bit scopes. Channel count and memory depth are configuration-dependent on the HDO8058—confirm the faceplate (HDO8xxx naming commonly indicates eight analog channels on 8058). High-resolution analog debug; power and sensor measurements needing low noise; multi-channel embedded validation at 500 MHz. The HDO8058 provides a Teledyne LeCroy HDO8000-series High Definition Oscilloscope with 12-bit ADC architecture, 500 MHz bandwidth, and 2.5 GS/s sample rate as listed. HDO8000 instruments emphasize low noise and high vertical resolution versus classic 8-bit scopes. Channel count and memory depth are configuration-dependent on the HDO8058—confirm the faceplate (HDO8xxx naming commonly indicates eight analog channels on 8058). High-resolution analog debug; power and sensor measurements needing low noise; multi-channel embedded validation at 500 MHz.

No photo

MODEL LeCroy HDO8058	CALIBRATION N/A — off-catalog OEM datasheet
CONDITION See OEM documentation	STATUS Not listed on Aumictech inventory
RFQ / SKU HDO8058	LISTING Off-catalog — OEM dat asheet only

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

Features & description

From manufacturer datasheet

Features

- High Definition Oscilloscope (12-bit HD architecture, HDO8000 family) • Bandwidth: 500 MHz (catalog) • Sample rate: 2.5 GS/s (catalog) • Model: HDO8058 • Low-noise HD acquisition versus 8-bit WaveSurfer class • Touch display and analysis toolset typical of HDO8000 series

HDO8058 Characteristics / Specifications

PARAMETER	VALUE
Model	HDO8058
Manufacturer	Teledyne LeCroy
Instrument Type	High Definition Oscilloscope
Alias	HDO8058; HDO 8058 Analog
Bandwidth	500 MHz (catalog)
Sample Rate	2.5 GS/s (catalog)
Vertical Resolution	12-bit HD (HDO8000 family)
Channel Count	confirm on unit (HDO8058 typically 8 analog channels in LeCroy HDO naming)
Memory Depth	confirm installed options / faceplate Standard Operating Conditions Use probes rated for 500 MHz HD measurements. Observe 50 Ω vs 1 M Ω coupling limits on the inputs. Operational Notes Do not confuse with HDO6054 (500 MHz, 4 ch class) or HDO8108 (higher BW 8 ch). Prefer the HDO8000 datasheet row for HDO8058 for warranted rise time, memory, and accuracy.

HDO8058 Specifications

PARAMETER	VALUE
Applications	High-resolution analog debug; power and sensor measurements needing low noise; multi-channel embedded validation at 500 MHz.
Key Features	- High Definition Oscilloscope (12-bit HD architecture, HDO8000 family)
Technical Specifications	Model: HDO8058
Analog	Bandwidth: 500 MHz
Standard Operating Conditions	Use probes rated for 500 MHz HD measurements. Observe 50 Ω vs 1 M Ω coupling limits on the inputs.

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	HD08058
Manufacturer	Teledyne LeCroy
Instrument Type	High Definition Oscilloscope
Alias	HD08058; HD0 8058

Analog

Specifications

PARAMETER	VALUE
Bandwidth	500 MHz
Sample Rate	2.5 GS/s
Vertical Resolution	12-bit HD (HD08000 family)
Channel Count	confirm on unit (HD08058 typically 8 analog channels in LeCroy HD0 naming)
Memory Depth	confirm installed options / faceplate

Standard Operating Conditions

Use probes rated for 500 MHz HD measurements. Observe 50 Ω vs 1 M Ω coupling limits on the inputs.

Operational Notes

Do not confuse with HD06054 (500 MHz, 4 ch class) or HD08108 (higher BW 8 ch). Prefer the HD08000 datasheet row for HD08058 for warranted rise time, memory, and accuracy.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

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.