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Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa DLM2024 200MHz Mixed Signal Oscilloscope

The Yokogawa DLM2024 is a 200 MHz DLM2000 mixed-signal oscilloscope with 4 analog or 3 analog + 8 bit logic for embedded, power electronics, and mechatronics debug. It combines long-memory analog capture at up to 2.5 GS/s with optional logic analysis, serial-bus decode options, and power-analysis packages. Mixed analog and digital embedded system validation; power electronics switching and timing debug; serial bus trigger and decode with optional /Fxx packages; long-record intermittent fault capture; automotive and industrial control troubleshooting. Bandwidth Limit Filters: FULL plus 200 MHz down to 8 kHz (14 settings per channel) Residual Noise: 0.4 mV rms or 0.05 div rms typical History Memory: up to 20,000 waveforms standard (/M2 or /M2S up to 100,000 on DLM5000) Specs from Yokogawa DLM2000 datasheet (DLM2024). Memory lengths depend on /M1, /M2, or /M3 options and channel/interleave mode; confirm installed options on the unit.



MODEL

**Yokogawa
DLM2024**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DLM2024

LISTING

<https://aumictechlabs.com/products/dlm2024-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Yokogawa DLM2024 is a 200 MHz mixed signal oscilloscope delivering simultaneous analog and digital signal analysis in a compact footprint. It captures up to 11 simultaneous inputs - 4

analog channels, 8 configurable logic channels, or 3 analog plus 8 logic - with sampling rates to 2.5 GS/s and memory depths up to 250 Mpoints. The 8.4-inch portrait LCD display with 0.1 div sub-grid resolution enables precise waveform characterization and debugging across mixed-domain applications.

Technical Specifications
Bandwidth: 200 MHz
Analog Channels: 4
Digital Channels: 8 (via conversion of analog channel 4)
Maximum Simultaneous Inputs: 11 (3 analog + 8 logic)
Sampling Rate: Up to 2.5 GS/s; 1.25 GS/s with 4 analog channels
Memory: 62.5 Mpoints standard; 125 Mpoints (/M2 option); 250 Mpoints (/M3 option)
Waveform History: 20,000 stored waveforms with scrolling and analysis
Display: 8.4-inch LCD, portrait orientation, 1024 × 768 pixels
Dimensions: Compact form factor (~2/3 size of 8.5 × 11 inch paper, ~8 inches depth)

Key Features
Trigger Modes: Edge, Enhanced, B, A to B(n), serial pattern (up to 128 bits), dual pulse, combined analog/logic, and bus trigger
Serial Bus Analysis: CAN, LIN, UART, I2C, SPI, and FlexRay decoders (option-dependent)
Filtering & Noise Reduction: IIR filters (low pass/high pass), real-time noise reduction (8 kHz to 200 MHz), 15 digital bandwidth filters
Waveform Math: Virtual DAC, waveform search, cursor measurements
Interfaces: USB 2.0, Ethernet, IEEE 488

Typical Applications
Mixed-domain signal debugging, embedded system validation, serial protocol analysis, and real-time signal characterization in digital and analog circuits.

Compatibility & Integration
USB 2.0 (Type B and Mass Storage Class), Ethernet, and IEEE 488 connectivity enable remote operation and data transfer. Standard accessories include passive probes (200 MHz and 500 MHz), protective cover, and carrying case.

Features & description

From manufacturer datasheet

Features

- 200 MHz analog bandwidth, 4 channel configuration

DLM2024 Characteristics / Specifications

PARAMETER	VALUE
Model	DLM2024
Manufacturer	Yokogawa
Instrument Type	Mixed Signal Oscilloscope
Series	DLM2000
Analog Channels	4 analog or 3 analog + 8 bit logic
Bandwidth	200 MHz
Max Sample Rate Real Time	2.5 GS/s
Max Sample Rate Interleave Off	1.25 GS/s
Max Sample Rate Repetitive	125 GS/s
A/D Resolution	8 bit (25 LSB/div); max 12 bit High Resolution mode
Logic Inputs	8 bit (switchable on CH4)
Vertical Sensitivity 1 MOhm	500 uV/div to 10 V/div (200 MHz models); scales with bandwidth
Vertical Sensitivity 50 Ohm	500 uV/div to 1 V/div
Input Coupling	AC 1 MOhm; DC 1 MOhm; DC 50 Ohm
Input Impedance	1 MOhm +/-1.0%; 50 Ohm +/-1.0%
Max Input Voltage 1 MOhm	300 Vrms or 400 Vpeak
Max Input Voltage 50 Ohm	5 Vrms or 10 Vpeak
Timebase Range	1 ns/div to 500 s/div
Timebase Accuracy	+/-2.5 ppm (shipping); +/-1.0 ppm/year ageing
Record Length Standard Repeat	6.25 M
Record Length Standard Single	25 M points
Record Length Option Max	250 M points (/M3)
Bandwidth Limit Filters	FULL plus 200 MHz down to 8 kHz (14 settings per channel)
Display	8.4-inch LCD
Ch to Ch Isolation	-34 dB typical

PARAMETER	VALUE
Residual Noise	0.4 mV rms or 0.05 div rms typical
Logic Max Sample Rate	625 MS/s
History Memory	up to 20,000 waveforms standard (/M2 or /M2S up to 100,000 on DLM5000)
Alias	DLM2024 Notes Specs from Yokogawa DLM2000 datasheet (DLM2024). Memory lengths depend on /M1, /M2, or /M3 options and channel/interleave mode; confirm installed options on the unit.
Optional serial buses	UART/I2C/SPI, CAN/CAN FD/LIN, FlexRay, SENT, CXPI, PSI5

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	
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Instrument Type	Mixed Signal Oscilloscope
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Series	DLM2000
Analog Channels	4 analog or 3 analog + 8 bit logic
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PARAMETER	VALUE
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PARAMETER	VALUE
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Logic Inputs	8 bit (switchable on CH4)
Vertical Sensitivity 1 MOhm	500 uV/div to 10 V/div (200 MHz models); scales with bandwidth
Specifications	
PARAMETER	VALUE
Vertical Sensitivity 50 Ohm	500 uV/div to 1 V/div
Input Coupling	AC 1 MOhm; DC 1 MOhm; DC 50 Ohm
Input Impedance	1 MOhm +/-1.0%; 50 Ohm +/-1.0%

Specifications

PARAMETER	VALUE
Max Input Voltage 1 MOhm	300 Vrms or 400 Vpeak
Max Input Voltage 50 Ohm	5 Vrms or 10 Vpeak
Timebase Range	1 ns/div to 500 s/div

Specifications

PARAMETER	VALUE
Timebase Accuracy	+/-2.5 ppm (shipping); +/-1.0 ppm/year ageing
Record Length Standard Repeat	6.25 M
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Specifications

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History Memory: up to 20,000 waveforms standard (/M2 or /M2S up to 100,000 on DLM5000)

Alias: DLM2024

Notes

Specs from Yokogawa DLM2000 datasheet (DLM2024). Memory lengths depend on /M1, /M2, or /M3 options and channel/interleave mode; confirm installed options on the unit.

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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.