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Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa DLM2032 350MHz Mixed Signal Oscilloscope

Yokogawa DLM2032 350 Digital Oscilloscope The Yokogawa DLM2032 is a 350 MHz DLM2000 mixed-signal oscilloscope with 2 analog 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. The Yokogawa DLM2032 is a 350 MHz DLM2000 mixed-signal oscilloscope with 2 analog 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.



MODEL

**Yokogawa
DLM2032**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DLM2032

LISTING

<https://aumictechlabs.com/products/dlm2032-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Yokogawa DLM2032 is a 350 MHz mixed signal oscilloscope that combines digital oscilloscope and logic analyzer capabilities in a single instrument. It enables simultaneous observation and analysis of analog and digital signals - up to 3 analog channels plus 8 logic channels for a total of 11 input signals observed concurrently. The instrument excels at embedded system debugging, power electronics evaluation, and general electronic design workflows where both analog transients and digital state information must be captured together.

Technical Specifications

Analog Performance Bandwidth: 350 MHz Analog channels: 2 Sample rate: Up to 2.5 GS/s (1.25 GS/s with 4 channels) Vertical resolution: 8-bit standard, up to 12-bit in high-resolution mode Measurement memory: Up to 125 MPoints (with /M2 option, interleave ON) Real-time display maintained across simultaneous multi-channel measurements via ScopeCORE fast data processing

IC Logic Analysis Logic channels: 8-bit Simultaneous analog + logic observation: Up to 3 analog + 8 logic channels Serial bus decoders: CAN, LIN, UART, I2C, SPI Advanced serial bus support: I2C, SPI, CAN, LIN, UART, FlexRay, SENT High-speed simultaneous analysis: Up to four different serial buses

Triggering Trigger types: Edge, Enhanced, B triggers Advanced triggering: A to B(n) trigger capability (e.g., trigger on the 7th edge of signal B) Serial pattern trigger: User-defined patterns up to 1

Display & Interface 8.4-inch LCD screen, portrait orientation Intuitive user interface with on-screen graphical help

Physical & Operational Dimensions: 226 (W) × 293 (H) × 193 (D) mm (excluding protrusions) Weight: Approximately 4.2 kg (without options) Power: 100 to 240 VAC, 50 Hz/60 Hz Maximum power consumption: 170 VA Operating temperature: 5 °C to 40 °C

Key Features Simultaneous analog and digital signal capture eliminates the need for separate instruments Deep memory supports extended acquisition windows for complex protocol analysis Bus decode and trigger on serial protocols including I2C, SPI, CAN, and UART Portrait display orientation minimizes bench footprint Eight-bit logic channels integrate with analog measurement workflows

Typical Applications Embedded system debugging and validation Power electronics characterization Serial communication protocol analysis and verification Mixed-signal circuit design and troubleshooting

Compatibility & Integration Optional memory expansion (/M2 option) and serial bus analysis packages (/F1 through /F9 options) extend measurement and decoding capabilities across multiple protocol standards.

Features & description

From manufacturer datasheet

Features

- 350 MHz analog bandwidth, 2 channel configuration

DLM2032 Characteristics / Specifications

PARAMETER	VALUE
Model	DLM2032
Manufacturer	Yokogawa
Instrument Type	Mixed Signal Oscilloscope
Series	DLM2000
Analog Channels	2 analog
Bandwidth	350 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	None
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
History Memory	up to 20,000 waveforms standard (/M2 or /M2S up to 100,000 on DLM5000)
Alias	DLM2032 Notes Specs from Yokogawa DLM2000 datasheet (DLM2032). 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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Manufacturer	Yokogawa
Instrument Type	Mixed Signal Oscilloscope
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Series	DLM2000
Analog Channels	2 analog
Bandwidth	350 MHz
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PARAMETER	VALUE
Max Sample Rate Real Time	2.5 GS/s
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Logic Inputs	None
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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

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Timebase Accuracy	+/-2.5 ppm (shipping); +/-1.0 ppm/year ageing
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Residual Noise	0.4 mV rms or 0.05 div rms typical
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Alias: DLM2032

Notes

Specs from Yokogawa DLM2000 datasheet (DLM2032). 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 ·
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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.