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Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa DLM3022 200MHz Mixed Signal Oscilloscope

Yokogawa DLM3022 200 Digital Oscilloscope The Yokogawa DLM3022 is a 200 MHz DLM3000 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 DLM3022 is a 200 MHz DLM3000 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
DLM3022**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DLM3022

LISTING

<https://aumictechlabs.com/products/dlm3022-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Yokogawa DLM3022 is a 200 MHz mixed-signal oscilloscope designed for electronic testing, waveform analysis, and digital signal debugging. With two analog channels and 8-bit logic capability, it combines precise measurement tools with an intuitive touchscreen interface and physical controls for productive engineering workflows across research, education, and general-purpose applications.

Technical Specifications

- Acquisition Bandwidth: 200 MHz
- Analog Channels: 2
- Logic Channels: 8-bit
- Maximum Sampling Rate: 2.5 GS/s
- Record Length: Up to 500 Mpts (with /M2 option); up to 1 Gpoint (odd channels only)
- A/D Resolution: 8-bit standard; up to 12-bit in High-Resolution mode; up to 16-bit in High Resolution mode
- Display Screen: 8.4-inch capacitive touchscreen
- LCD Resolution: 800×600 or 1024×768 pixels

Analysis & Triggering

- Waveform History: Up to 100,000 stored waveforms for replay and analysis
- Real-Time Low-Pass Filtering: 14 levels spanning 8 kHz to 200 MHz
- FFT Analysis: Dual simultaneous FFT capability
- Automated Measurements: Up to 30 simultaneous waveform parameter measurements
- Advanced Triggers: Edge, pattern, pulse width, timeout, and serial bus triggers; serial pattern trigger supports up to 128 bits user-defined patterns

Storage & Interface

- Internal Storage: 60 GB SSD with 50 MB/s R/W speed
- Data Transfer: USB 3.0 for fast PC connectivity
- Optional Communication: GPIB interface; UART, I2C, and SPI trigger/analysis; CAN, CAN FD, and LIN trigger/analysis (on 4-channel models)

Key Features

- Dual-control operation: capacitive touchscreen or physical button/jog dial control panel
- Portrait format design minimizes bench footprint
- Touchscreen can be disabled for button-only operation
- Large display positioned above controls for optimal viewing angle

Typical Applications

- Electronic circuit debugging and characterization
- Serial protocol analysis and validation
- Embedded systems development
- Research and educational testing environments

Compatibility & Integration

- Optional GPIB and serial bus analysis modules (/C1, /F01, /F02) extend trigger and protocol support for CAN, LIN, I2C, SPI, and UART applications.
- Internal 60 GB storage enables extended waveform capture and analysis workflows without external media dependency.

Features & description

From manufacturer datasheet

Features

- 200 MHz analog bandwidth, 2 channel configuration

DLM3022 Characteristics / Specifications

PARAMETER	VALUE
Model	DLM3022
Manufacturer	Yokogawa
Instrument Type	Mixed Signal Oscilloscope
Series	DLM3000
Analog Channels	2 analog
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	250 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	12.5 M
Record Length Standard Single	50 M points
Record Length Option Max	500 M points (/M3)
Bandwidth Limit Filters	FULL plus 200 MHz down to 8 kHz (14 settings per channel)
Display	8.4-inch capacitive touch TFT
Ch to Ch Isolation	-34 dB typical

PARAMETER	VALUE
Residual Noise	0.2 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	DLM3022 Notes Specs from Yokogawa DLM3000 datasheet (DLM3022). 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
Specifications	
PARAMETER	VALUE
Series	DLM3000
Analog Channels	2 analog
Bandwidth	200 MHz
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PARAMETER	VALUE
Max Sample Rate Real Time	2.5 GS/s
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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
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	12.5 M
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Specifications

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Record Length Option Max	500 M points (/M3)
Bandwidth Limit Filters	FULL plus 200 MHz down to 8 kHz (14 settings per channel)
Display	8.4-inch capacitive touch TFT

Specifications

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Ch to Ch Isolation	-34 dB typical
Residual Noise	0.2 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: DLM3022

Notes

Specs from Yokogawa DLM3000 datasheet (DLM3022). 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.