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**Data Sheet**

August 13, 2026

YOKOGAWA

# Yokogawa DLM2022 200MHz Mixed Signal Oscilloscope

Yokogawa DLM2022 200 Digital Oscilloscope The Yokogawa DLM2022 is a 200 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 DLM2022 is a 200 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  
DLM2022**

CALIBRATION

**Available on  
request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**DLM2022**

LISTING

<https://aumictechlabs.com/products/dlm2022-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

**This unit**

The Yokogawa DLM2022 is a 200 MHz mixed signal oscilloscope designed for electronic design, debugging, and general-purpose testing. This two-channel instrument combines digital oscilloscope capabilities with configurable mixed-signal analysis, supporting simultaneous observation of analog and digital signals. The DLM2022 delivers up to 2.5 GS/s sampling with deep memory architecture - standard 62.5 Mpts expandable to 250 Mpts with optional modules - enabling detailed waveform capture and extended measurement windows. An 8.4-inch LCD display and compact portrait form factor provide enhanced visibility and benchtop efficiency.

**Technical Specifications**

Bandwidth: 200 MHz  
Analog Channels: 2  
Sampling Rate: Up to 2.5 GS/s  
Memory Depth (Standard): 62.5 Mpts per channel (2-channel operation)  
Memory Depth (/M2 Option): Up to 125 Mpts  
Memory Depth (/M3 Option): Up to 250 Mpts  
Display: 8.4-inch LCD  
Form Factor: Compact, lightweight, portrait orientation

**Key Features**

Waveform History: Records up to 20,000 previously captured waveforms; enables scrolling, computation, and cursor measurements on historical data  
Long Memory with Auto Scroll: Maintains high sampling rates across extended captures; forward, backward, and adjustable scroll speed control  
Dual Zoom: Independent zoom factors on two windows with simultaneous display at different time-axis scales  
Digital Bandwidth Filtering: 15 input circuit filters including 14 low-pass options (8 kHz to 200 MHz)  
Math-Based Filtering: IIR low-pass and high-pass filters for waveform processing and input comparison  
Flexible Triggering: Edge, enhanced, and B triggers with analog and logic input combination; supports A to B(n) configuration

**Typical Applications**

Analog and digital signal characterization  
Serial bus protocol analysis (I2C, SPI, UART)  
Design validation and circuit debugging  
Long-duration measurement campaigns requiring deep memory

**Compatibility & Integration**

The DLM2022 integrates within the DLM2000 series architecture, supporting optional memory expansion modules (/M2, /M3) and mixed-signal configurations available across the product line.

## Features & description

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From manufacturer datasheet

### Features

- 200 MHz analog bandwidth, 2 channel configuration

## DLM2022 Characteristics / Specifications

| PARAMETER                      | VALUE                                                          |
|--------------------------------|----------------------------------------------------------------|
| Model                          | DLM2022                                                        |
| Manufacturer                   | Yokogawa                                                       |
| Instrument Type                | Mixed Signal Oscilloscope                                      |
| Series                         | DLM2000                                                        |
| 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     | 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                 | DLM2022 Notes Specs from Yokogawa DLM2000 datasheet (DLM2022). 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                 |                                                                |
|--------------------------------|----------------------------------------------------------------|
| Specifications                 |                                                                |
| PARAMETER                      | VALUE                                                          |
| Model                          | DLM2022                                                        |
| Manufacturer                   | Yokogawa                                                       |
| Instrument Type                | Mixed Signal Oscilloscope                                      |
| Specifications                 |                                                                |
| PARAMETER                      | VALUE                                                          |
| Series                         | DLM2000                                                        |
| Analog Channels                | 2 analog                                                       |
| Bandwidth                      | 200 MHz                                                        |
| Specifications                 |                                                                |
| PARAMETER                      | VALUE                                                          |
| 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                                                       |
| Specifications                 |                                                                |
| PARAMETER                      | VALUE                                                          |
| 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 | 6.25 M                                        |
| Record Length Standard Single | 25 M points                                   |

### Specifications

| PARAMETER                | VALUE                                                     |
|--------------------------|-----------------------------------------------------------|
| 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                                              |

### Specifications

| PARAMETER          | VALUE                                                                  |
|--------------------|------------------------------------------------------------------------|
| Ch to Ch Isolation | -34 dB typical                                                         |
| 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: DLM2022

Notes

Specs from Yokogawa DLM2000 datasheet (DLM2022). 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](mailto: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.