

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa DLM5058 500MHz Mixed Signal Oscilloscope

The Yokogawa DLM5058 is a 500 MHz DLM5000 mixed-signal oscilloscope with 8 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. Display: 12.1-inch XGA capacitive touch TFT 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) Specs from Yokogawa DLM5000 datasheet (DLM5058). Memory lengths depend on /M1, /M2, or /M3 options and channel/interleave mode; confirm installed options on the unit.



MODEL

**Yokogawa
DLM5058**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DLM5058

LISTING

<https://aumictechlabs.com/products/dlm5058-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Yokogawa DLM5058 is a 500 MHz mixed-signal oscilloscope combining 8 analog channels with up to 32 logic input channels for simultaneous observation of complex embedded systems, power electronics, and mechatronics designs. With 2.5 GS/s sampling, up to 1 Gpoint record

length, and 12-bit resolution in High Resolution Mode, it delivers precise signal capture and analysis. The instrument supports 14 onboard low-pass filters per channel (8 kHz to 200 MHz cutoff), advanced trigger modes including protocol decoding (UART, I2C, SPI, CAN, CAN FD, FlexRay, LIN, SENT, CXPI, PSI5), and automated waveform parameter measurements with history memory for up to 100,000 captures. Its 12.1-inch XGA touch display, dual input impedance paths (1 M Ω and 50 Ω), and GO/NO-GO pass/fail automation accelerate debugging and validation cycles. DLMsync enables synchronous dual-unit operation for 16-channel analog measurement. Standard USB 3.0 and Ethernet connectivity, with optional GP-IB support, integrate into existing lab environments. The compact 426 × 266 × 180 mm chassis weighs 7.3 kg.

Technical Specifications

Bandwidth: 500 MHz Analog Channels: 8 Logic Channels: 16-bit (standard) or 32-bit (optional)
Sampling Rate: 2.5 GS/s maximum A/D Resolution: 8 bits; 12 bits in High Resolution Mode Record Length: 125 Mpoints (standard), 500 Mpoints or 1 Gpoint on HD models (optional) Display: 12.1-inch XGA color TFT LCD touch screen Vertical Sensitivity (1 M Ω): 500 μ V/div to 10 V/div Vertical Sensitivity (50 Ω): 500 μ V/div to 1 V/div Input Impedance: 1 M Ω $\pm$ 1.0% (16 pF) or 50 Ω $\pm$ 1.0% (VSWR $\leq$ 1.4) Input Coupling: AC 1M Ω , DC 1M Ω , DC 50 Ω Maximum Input Voltage: 300 Vrms / 400 Vpeak (1 M Ω); 5 Vrms / 10 Vpeak (50 Ω) Low-Pass Filters: 14 per channel, 8 kHz to 200 MHz cutoff

Key Features Advanced trigger modes: edge, pulse width, pattern, runt, rise/fall time, window, timeout, interval, and user-defined serial patterns Optional protocol triggering: UART, I2C, SPI, CAN, CAN FD, FlexRay, LIN, SENT, CXPI, PSI5 Airbag 29 automated waveform parameters; simultaneous measurement of up to 30 parameters History memory: 100,000 waveform captures Statistical analysis: continuous, cycle-by-cycle, or history-based GO/NO-GO pass/fail automation with trigger actions (buzzer, file save, email) Interfaces & Storage USB 3.0, Ethernet (standard); GP-IB (optional) Internal storage: 1.7 GB (standard) or 64 GB (optional) USB external storage support DLMsync dual-unit synchronization Physical Dimensions: 426 × 266 × 180 mm Weight: 7.3 kg

Features & description

From manufacturer datasheet

Features

- 500 MHz analog bandwidth, 8 channel configuration

DLM5058 Characteristics / Specifications

PARAMETER	VALUE
Model	DLM5058
Manufacturer	Yokogawa
Instrument Type	Mixed Signal Oscilloscope
Series	DLM5000
Analog Channels	8 analog
Bandwidth	500 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	16 bit standard (/L32 optional 32 bit)
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 (/M2S)
Bandwidth Limit Filters	FULL plus 200 MHz down to 8 kHz (14 settings per channel)
Display	12.1-inch XGA capacitive touch TFT
Ch to Ch Isolation	-34 dB typical

PARAMETER	VALUE
Residual Noise	0.2 mV rms or 0.05 div rms typical
Logic Max Sample Rate	1.25 GS/s
History Memory	up to 20,000 waveforms standard (/M2 or /M2S up to 100,000 on DLM5000)
Alias	DLM5058 Notes Specs from Yokogawa DLM5000 datasheet (DLM5058). 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	DLM5058
Manufacturer	Yokogawa
Instrument Type	Mixed Signal Oscilloscope
Specifications	
PARAMETER	VALUE
Series	DLM5000
Analog Channels	8 analog
Bandwidth	500 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	250 GS/s
Specifications	
PARAMETER	VALUE
A/D Resolution	8 bit (25 LSB/div); max 12 bit High Resolution mode
Logic Inputs	16 bit standard (/L32 optional 32 bit)
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
Record Length Standard Single	50 M points

Specifications

PARAMETER	VALUE
Record Length Option Max	500 M points (/M2S)
Bandwidth Limit Filters	FULL plus 200 MHz down to 8 kHz (14 settings per channel)
Display	12.1-inch XGA capacitive touch TFT

Specifications

PARAMETER	VALUE
Ch to Ch Isolation	-34 dB typical
Residual Noise	0.2 mV rms or 0.05 div rms typical
Logic Max Sample Rate	1.25 GS/s

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

Alias: DLM5058

Notes

Specs from Yokogawa DLM5000 datasheet (DLM5058). 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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 13, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.