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Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa DLM3034 350MHz Mixed Signal Oscilloscope

The Yokogawa DLM3034 is a 350 MHz DLM3000 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: 0.2 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 DLM3000 datasheet (DLM3034). Memory lengths depend on /M1, /M2, or /M3 options and channel/interleave mode; confirm installed options on the unit.



MODEL

**Yokogawa
DLM3034**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DLM3034

LISTING

<https://aumictechlabs.com/products/dlm3034-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Yokogawa DLM3034 is a 350 MHz mixed-signal oscilloscope engineered for comprehensive signal analysis across analog and digital domains. This 4-channel instrument combines a 12-bit

analog front end with 8-bit logic inputs, delivering up to 2.5 GS/s sampling rates and 1 Gpts maximum record length. The 8.4-inch XGA touchscreen display and dual independent zoom processors enable rapid signal inspection and detailed waveform analysis in laboratory and field environments.

Technical Specifications

Analog Channels 4 channels at 350 MHz bandwidth 12-bit analog front end with low-noise input circuitry Input impedance: $1\text{ M}\Omega \pm 1.0\%$ ($\sim 20\text{ pF}$) or $50\text{ }\Omega \pm 1.5\%$ ($\text{VSWR} \leq 1.4$, DC–500 MHz) Voltage sensitivity: $1\text{ M}\Omega$ mode 2 mV/div to 5 V/div; $50\text{ }\Omega$ mode 2 mV/div to 500 mV/div (1-2-5 steps) Input coupling: AC, DC, DC50 Ω , GND DC accuracy: 1.5% of 8 div + offset voltage accuracy

Digital Channels 8-bit logic input; 4th analog channel convertible to logic mode Enables 3 analog + 8 logic channel configuration Sampling rate reduced to 1.25 GS/s when logic inputs active Acquisition Maximum sample rate: 2.5 GS/s (analog only) or 1.25 GS/s (with logic) Record length: up to 1 Gpts (super long memory) or 125 Mpts for repetitive waveforms History memory: 200,000 records; 100,000 records auto-retained Display 8.4-inch XGA TFT color LCD, 1024 × 768 resolution Capacitive touchscreen with XGA wide-screen format

Key Features Digital triggering system with reduced timing jitter and improved vertical level accuracy 16 trigger modes: Edge, Pattern, Pulse Width, Runt, Timeout, Window, Interval, Serial (optional), TV (NTSC/PAL/SDTV/HDTV), A Delay B, A to B(n), and logical combinations 29 automated waveform parameter measurements; up to 120 simultaneous measurements with statistics Dual FFT spectral analysis engines Dual independent zoom with dedicated zoom search for edges, patterns, pulse widths, and timeouts History function for past waveform analysis GO/NO-GO pass/fail automation User-defined computation capability Power supply analysis option available

Typical Applications Mixed-signal circuit validation, digital protocol debugging, power delivery analysis, embedded systems characterization, and RF component signal verification.

Features & description

From manufacturer datasheet

Features

- 350 MHz analog bandwidth, 4 channel configuration

DLM3034 Characteristics / Specifications

PARAMETER	VALUE
Model	DLM3034
Manufacturer	Yokogawa
Instrument Type	Mixed Signal Oscilloscope
Series	DLM3000
Analog Channels	4 analog or 3 analog + 8 bit logic
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	250 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	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
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	DLM3034 Notes Specs from Yokogawa DLM3000 datasheet (DLM3034). 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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PARAMETER	VALUE
Model	DLM3034
Manufacturer	Yokogawa
Instrument Type	Mixed Signal Oscilloscope
Specifications	
PARAMETER	VALUE
Series	DLM3000
Analog Channels	4 analog or 3 analog + 8 bit logic
Bandwidth	350 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	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	12.5 M
Record Length Standard Single	50 M points

Specifications

PARAMETER	VALUE
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

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: DLM3034

Notes

Specs from Yokogawa DLM3000 datasheet (DLM3034). 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.