



Born for Breakthroughs Built to Refine the Edge

MHO900 Series

Portable High-Resolution Oscilloscope

Feature **800/500/350 MHz** Max. Bandwidth **12-bit** Vertical Resolution

4 GSa/s Max. Sample Rate	4 Analog Channels	500 Mpts Max. Memory Depth	2-Channel 100 MHz Function/Arbitrary Waveform Generator	16-Channel Logic Analyzer
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Benefits

Rebuilds the Entry-Level Standard

- 1 GHz BW & 4 GSa/s sample rate enable you to address the high-speed signal acquisition challenge.
- 12-bit high-precision ADC, 4096 vertical digitalizing levels, not missing any signals.
- Max. 500 Mpts memory depth enables you to record high-speed and complex events, giving you full insight into the full details of high-speed signals.
- Various digital protocol decoding options.

N-in-one, Integrated Efficient Test Tool

- Standard 16 digital channels allow you to capture and analyze digital signals.
- Optional 2-channel, 100 MHz AFG option can output up to 100 MHz pure sine wave, with Bode plot supported for signal analysis.

Wireless Connection Brings Convenient

- Standard WIFI & Bluetooth adapter allows you to remote control without the redundant cable connection.
- 7-inch HD touch screen gives you smooth touch-enabled screen operation.

16x Quantization Accuracy

800 MHz Analog Bandwidth

500 Mpts Ultra-Deep Memory Depth

USB, HDMI

RIGOL Web Control

Applications

Power Supply Test

- Loop Response Analysis
- Ripple and Noise Test
- Transient Response Test

Embedded System Debugging

- Serial Protocol Analysis
- Digital Signal Analysis

Auto Electronics Test

- Automobile Bus Debugging
- Sensor Test

Basic Experiment

- Analog Circuit Experiment
- High-Frequency Circuit Experiment
- Power and Electronics Experiment

Technical Specifications

	Specifications		
Model	MHO934	MHO954	MHO984
Analog Bandwidth	350MHz	500MHz	800MHz
Real-time Sample Rate	Max. 4 GSa/s		
No. of Analog Channels	4		
Vertical Resolution	12-bit		
Memory Depth	Max. 500 Mpts		
Capture Rate	Max. 1,000,000 wfms/s		
Digital Channel	16-channel, 200 MHz, optional logic analyzer probe		
Protocol Decoding	Standard: I2C, SPI, UART, CAN, LIN		
	Option: CAN-FD, FlexRay, 12S, and MIL-STD-1553B		
Built-in AFG	2-channel 100 MHz, 1 GSa/s option (Bode Plot supported)		
Screen	7-Inch (1024*600) capacitive touch screen		
Power Supply Interface	Type-C (PD/power tank supported)		
Instrument Body	Thin, portable		

Order Information

	Description	Order No.
Model	Multifunction portable oscilloscope, 350MHz, 4GSa/s, 12bit	MHO934
	Multifunction portable oscilloscope, 500MHz, 4GSa/s, 12bit	MHO954
	Multifunction portable oscilloscope, 800MHz, 4GSa/s, 12bit	MHO984
Standard Accessories	RP3500A 500MHz Passive Probe	-
	WIFI & Bluetooth Adapter	-
	Power Supply Adapter	-
	Ground Cable	-
	USB Cable	-
Options	16-channel Logic Analyzer Probe	PLA2216
	Built-in 2-CH 50 MHz Function/Arbitrary Waveform Generator Option (with Bode Plot supported)	MHO900-AFG50
	Built-in 2-CH 100 MHz Function/Arbitrary Waveform Generator Option (with Bode Plot supported)	MHO900-AFG100
	Audio Serial Bus Trigger and Analysis Option	MHO900-AUDIOA
	CAN Serial Bus Analysis with Flexible Data Rate	MHO900-AUTOA
	FlexRay Serial Bus Trigger and Analysis Option	MHO900-FlexA
	MIL-STD-1553B Serial Bus Trigger and Analysis Option	MHO900-AEROA
	MHO900 Series Bundle and Application Option (Including AFG100, AUDIOA, AUTOA, FlexA, and AEROA)	MHO900-BND

Distribution in the UK & Ireland



**Characterisation,
Measurement &
Analysis**

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