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Data Sheet
August 13, 2026

RIGOL

RIGOL PLA2216 Logic Analyzer Probe, 16 Channel Digital Logic Probe, for MSO5000 Series

Rigol PLA2216 16 Channel Active Logic Probe for MSO5000 The PLA2216 isahigh performance 16 channel active logic probe that connects digital signals onaDUT to Rigol MSO5000 series oscilloscopes (also used with DHO900/S class hosts that accept PLA2216). Sixteen channels D0 to D15 split into groups D0 to D7 and D8 to D15. Each group has signal and ground interfaces with numbered labels. The kit includes 16 signal leads and 16 ground leads plus 32 grabbers. DHO900/S class digital channel accessory where specified The PLA2216 isahigh performance 16 channel active logic probe that connects digital signals onaDUT to Rigol MSO5000 series oscilloscopes (also used with DHO900/S class hosts that accept PLA2216). Sixteen channels D0 to D15 split into groups D0 to D7 and D8 to D15. Each group has signal and ground interfaces with numbered labels. The kit includes 16 signal leads and 16 ground leads plus 32 grabbers. DHO900/S class digital channel accessory where specified Threshold measurements to plus/minus 15 V Replacement active logic probe for MSO5000

MODEL Rigol PLA2216	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU PLA2216	LISTING https://aumictechlabs.com/products/pla2216-2/

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The RIGOL PLA2216 is a 16-channel active logic probe that extends RIGOL MSO5000, DHO900, and MHO900 series oscilloscopes with mixed-signal acquisition and analysis capabilities. It captures and analyzes digital signals across D0–D15 channels, organized into two independently configurable groups, enabling rapid debugging of complex logic systems without requiring additional licensing. The probe connects directly to the oscilloscope's front-panel digital signal input terminal and includes 32 leads with grabber clips for flexible signal and ground connections.Technical Specifications Channels: 16 digital channels (D0–D15) in two groups: D0–D7 and D8–D15 Bandwidth: DC to 800 MHz Maximum Input Voltage: ±40 V peak Input Impedance: Approximately 101 kΩ Input Capacitance: Approximately 8 pF Minimum Detectable Pulse Width: 5 ns Minimum Voltage Swing: 500 mVpp Cable Length: Approximately 0.9 m (3 ft) Lead Length: Approximately 0.25 m (9.8 inches) Operating Temperature: 0 °C to 50 °C Storage Temperature: −20 °C to 60 °C Operating Humidity: 0 % to 80 % RH Storage Humidity: 0 % to 90 % RH Safety Category: CAT IKey Features Independent threshold level adjustment for each channel group via the oscilloscope's digital channel setup menu Zero-point calibration function available in the oscilloscope's LA menu 16 signal leads and 16 ground leads for optimal signal and reference routing Clearly marked channel identifiers (D0–D15) for rapid signal identification Direct lead connection or test-clip attachment methods for flexible probingTypical Applications Logic signal capture and timing analysis in embedded systems, microcontroller debugging, digital circuit validation, protocol analysis, and mixed-signal system characterization.Compatibility & Integration The PLA2216 is compatible with RIGOL MSO5072, MSO5074, MSO5102, MSO5204, MSO5354, DHO914, DHO914S, DHO924, and DHO924S oscilloscopes. Installation requires no additional software licenses.

PLA2216 Characteristics / Specifications

PARAMETER	VALUE
Model	PLA2216
Manufacturer	Rigol
Instrument Type	16 channel active logic probe
Alias	PLA 2216; RIGOL PLA2216
Host Oscilloscopes	MSO5000 series (also DHO900/S class where specified)
Input Channels	16
Channel Groups	D0 to D7 and D8 to D15
Threshold Range	plus/minus 15 V
Threshold Accuracy	plus/minus (100 mV plus 3 percent of threshold setting)
Maximum Input Voltage	plus/minus 40 V peak
Maximum Input Dynamic Range	plus/minus 10 V plus threshold setting
Minimum Voltage Swing	500 mVpp
Minimum Detectable Pulse Width	5 ns
Input Impedance	about 101 kOhm
Input Capacitance	about 8 pF
Cable Length	about 90 cm
Lead Length	about 25 cm
Operating Temperature	0 C to 50 C
Operating Humidity	0 to 80 percent RH
Storage Temperature	minus 20 C to 60 C
Storage Humidity	0 to 90 percent RH
Main Cable Quantity	1
Lead Quantity	32 (2 times 16)
Grabber Quantity	32
User Guide	Chinese and English

PARAMETER	VALUE
Packing Box	PLA2216 box included
Probe Type	active logic
Signal Leads Standard	16
Ground Leads Standard	16 Notes Specs from the Rigol PLA2216 Active Logic Probe datasheet. Confirm host MSO5000 versus DHO900/S digital connector. Do not confuse with RPL2316 (MSO4000/MSO2000A, plus/minus 20 V threshold).
Humidity	0 to 80 percent RH

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 20 C to 60 C
Operating temperature	0 C to 50 C
Operating Temperature	0 C to 50 C
Humidity	0 to 80 percent RH
Operating Humidity	0 to 80 percent RH
Storage Humidity	0 to 90 percent RH
Main Cable Quantity	1
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Grabber Quantity	32
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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.

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Applications
MSO5000 mixed signal logic capture
DHO900/S class digital channel accessory where specified
Embedded bus and GPIO debug
Threshold measurements to plus/minus 15 V
Replacement active logic probe for MSO5000

Key Features
Active 16 channel architecture
Threshold plus/minus 15 V with plus/minus (100 mV plus 3 percent) accuracy
Maximum input plus/minus 40 V peak; dynamic range plus/minus 10 V plus threshold
Minimum swing 500 mVpp; minimum pulse 5 ns
About 101 kOhm and about 8 pF
About 90 cm main cable and about 25 cm leads

Technical Specifications

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Notes
Specs from the Rigol PLA2216 Active Logic Probe datasheet. Confirm host MSO5000 versus DHO900/S digital connector. Do not confuse with RPL2316 (MSO4000/MSO2000A, plus/minus 20 V threshold).

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

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