



Hand-held Oscilloscope Model OX 9104 IV

Cat. #2150.33

4-Channel, 100MHz

Self-contained, hand-held, four-channel oscilloscope with 100MHz bandwidth, 4 channel DMM 8000 cts, FFT function and recording mode, and power measurement.

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CHANNELS	
Inputs / Bandwidth	Isolated channels
Input Impedance	1MΩ ± 0.5%, approx. 12pF
INTERFACE	
Screen Specifications	Color 7" WVGA TFT LCD touch screen, 800 x 480
Display Mode	Vectors with interpolation - 2500 real acquisition points on screen
Traces On Screen	4 Traces + 4 References (split screen and full screen modes)
Front Panel Control	32 keys
Screen Control	Touch screen - ANDROID type icons and graphical commands
VERTICAL	
Vertical Sensitivity	16 ranges from 2.5mV - 200V/div and up to 156μV/div om vertical zoom mode (12-bit converter) - Accuracy ±2%
Max Input Voltage	600V/CAT III (1000V per Probix) – from 50 to 400 Hz - Probix connectors
Vertical Zoom	"One click Winzoom" system (direct graphical zoom onscreen) x 16 max
HORIZONTAL	
Time Base Speed	35 ranges from 1ns/div. to 200s/div. - accuracy ±[50 ppm + 500 ps] - Roll mode from 100 ms to 200 s/div
Horizontal Zoom	"One click Winzoom" system (direct graphical zoom onscreen) x 100 max
TRIGGER	
Mode	Auto, Triggered, One-shot, Auto-level 50% on all channels
Type	Edge, Pulse width (16ns - 20s), delay (48ns - 20s), counting (3 to 16,384 events) Continuous adjustment of Trigger position
Coupling	AC, DC GND, HFR, LFR, noise - Level and Hold-Off adjustable from 64ns to 15s

For more details, download the datasheet or user manual at www.aemc.com

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Autoset	Complete <5s with recognition of channels - Frequency >30Hz
Cursors	Two or three cursors: V and T with auto measurement: T1, T2, Dt, 1/Dt, dBV, Ph
DIGITAL MEMORY	
Max. Sampling Rate	2.5GS/s in one-shot mode on each channel (100GS/s max. in ETS mode) 12 bits resolution
Memory Depth	100kpts per channel and file viewer in the manager
Memory Capacity	Internal = 1GB to store the files: trace, text, configuration, math functions, System memory: .pdf print files, .png image files + high-capacity removable microSD-Card: SD 2GB, SDHC 4-32GB and SDXC >32GB
GLITCH Mode	Duration \leq 2ns – 500,000 Min/Max pairs
Display Modes	Envelope, vector, accumulation -, averaging (factors 2 to 64) - XY (vector) and Y(f)=FFT
OTHER FUNCTIONS	
FFT Analyzer & Math Functions	FFT (Lin or Log) with measurement cursors - Functions, +, -, x, / and mathematical function editor
Automatic Measurement	Simultaneously with waveform, 20 automatic measurements per channel and on the 4 channels simultaneously with scroll
Multimeter Mode	4 channels, 8000 counts + Min/Max/Frequency/relative – TRMS – Time stamp graphic recording in logger mode
AC, DC, AC+DC Voltages	600mV to 600VRMS, 800mV to 800VDC: accuracy 0.5% Bandwidth 200kHz
Power and PF	Active, Reactive, and Apparent power values plus Power Factor simultaneously with the U & I measurements
Resistance, Temperature, Capacitance, Frequency, and Diode Test on channel 1 only	
Acquisition	Duration: 20,000s - Interval: 0.2s - Files: 100,000 measurements
Harmonic Analyzer Mode	
Multi-Channel Analysis	2, up to 61 st , fundamental from 40 to 450Hz in auto or manual mode
Simultaneous measurement	Total Vrms, THD and selected order (% fundamental, phase, frequency, Vrms)
GENERAL FEATURES	
Interface	Isolated USB, WiFi, and Ethernet, SD micro card for direct transfer to PC. Web server/client with cursor and automatic measurements
Batteries	Rechargeable Li-Ion 6,900mAh 40W battery pack, External charger
Charging Time	98 to 264VAC (50/60Hz) 2 hours when OFF
Battery life	Approx. 8 hours
Dimensions (L x W x H)	11.5 x 8.29 x 2.6" (292.5 x 210.6 x 66.2mm)
Weight	4.7 lbs. (2.1kg)
Altitude Operating	2000m (6560ft)
Operating Temperature	32° to 104°F (0 to 40°C) \leq 80% RH
Storage Temperature	-4° to 140°F (-20 to 60°C)
IP Rating	IP54 per IEC 60529

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