Hand-Held Oscilloscope Model OX7204^{III} (refurbished)

Cat. #2124.68 - DISCONTINUED
4x200MHz, Color, 50k memory, Harmonics, Recorder, Power
Four-channel oscilloscope with 200MHz bandwidth. Features patented system of "plug-and-play" accessories, individual isolation of each measurement channel, and remote management capabilities. Ethernet link enables remote control of oscilloscope. Ideal for both laboratory and field use.

Cat.#901.2124.68

CHANNELS		
Model	OX 7102 III & OX 7104 III: 2 x 100MHz	OX7202 III & OX7204 III: 4 x 200MHz
Inputs	2 Insulated channels	4 Insulated channels
Input Impedance	1MΩ ± 0.5%, 12pF	
INTERFACE		
Screen Specifications	Color 5.7" LCD (115 x 86mm) 320 x 240 – CCFL	
Display Mode	Vectors with interpolation	
Traces On Screen	4 Traces + 4 References (split screen and full screen modes	
Front Panel Control	32 keys	
Screen Control	Touch screen – Windows-like menus and graphic	
VERTICAL		
Vertical Sensitivity	16 ranges from 2.5mV – 200V/div and up to 156µV/div in vertical zoom mode (12-bit converter) – Accuracy ± 1%	
Max Input Voltage	600VDC, 600Vrms, 850Vpk (DC + peak AC at 1kHz) without 10/1 probe, 1000Vrms with 10/1 probe derating	
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 0.1%	
Horizontal Zoom	"One click Winzoom" system (direct graphical zoom onscreen) x100 max	
TRIGGER		
Mode	On all channels: Auto, Triggered, One-shot, Auto-level 50%	

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

Type	Edge, Pulse width, delay, counting, TV frame, Triggering after delay, Continuous adjustment of trigger position
Autoset	Complete autoset < 3s with recognition of channels
Cursors	Two or three cursors: V and T simultaneous or Phase Resolution

DIGITAL MEMORY

Max. Sampling Rate	100GS/s in ETS – 2.5GS/s in Single Shot Mode on each channel (12 bits)
Memory Depth	50,000 points/channel
Memory Capacity	2MB for storing various types files: trace, text, configuration, math functions, print files, image files, etc. + micro SD card (515MB or 2GB)
Other Mode	Envelope mode (Factors from 2 to 64)
XY Mode	Between two from the four traces – math functions and cursors

OTHER FUNCTIONS

FFT Analyzer & Math Functions	FFT (Lin or Log) with measurement cursors – Functions, +, -, x, / and mathematical function editor
Automatic Measurement	19 time, level, phase measurements – Resolution 12Bits, display 4 digits
Multimeter Mode	2 or 4 channels 8000 counts + Min and Max bargraph – TRMS –Time stamp graphic recording (5 min to 31 days)
AC, DC, AC+DC Voltages	600mV to 600VRMS, 800mV to 800VDC: accuracy 0.5% Bandwidth 200kHz
Active Power and PF	Single phase-Balanced 3 phase, with or without Neutral, 2 wattmeter method
Resistance, temperature, capacitance, Frequency and diode test on channel 1 only	
Recorder Mode	
Sampling Duration	2s to 1 Month
Harmonic Analyzer Mode	
Multi-Channel Analysis	2 or 4 (model dependent), 61 orders, fundamental from 40 to 450Hz

GENERAL FEATURES

Interface	Isolated USB, and Ethernet, SD micro card for direct transfer to PC. software SX Metro, Web server/client) with cursor and automatic measurements
Batteries	Rechargeable 9.6V 35000mAh NiMH battery pack, External charger
Charging Time	98 to 264VAC (50/60Hz) 2.3 hours when OFF, 5 hours when operating
Battery Life	Approx 4 hours for 2 channels and 2 hours for 4 channels models
Dimensions (L x W x H)	10.4 x 7.7 x 2.2" (265 x 195 x 56mm)
Weight	4.7lbs. (2.1kg)
Altitude Operating	2000m (6560ft)
Operating Temperature	32° to 104°F (0° to 40°C) ≤80% RH
Storage Temperature	-4° to 140°F (-20° to 60°C)
IP Rating	IP51 per IEC 60529

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INSTRUMENTS
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Safety	IEC/EN 61010-1 (1000V CAT II-600V CAT III), IEC 1326-1 - CE