OSCILLOSCOPES 0X 9000 SERIES



MODELS 0X 9062, 0X 9102, 0X 9104 & 0X 9304

Ergonomic, hand-held oscilloscope with 300 MHz bandwidth and 4 models: oscilloscope, multimeter, analyzer and recorder



· Wider bandwidth up to 300 MHz (model dependent)

Scope in carrying case with shoulder strap, set of (2) 5 ft color-coded leads,

alligator clips and test probes (4 mm diameter), 10 ft USB cable, µSD memory card, 1-PROBIX Banana Plug (4 mm) adapter, (1) stylus pen, LI-ION 5.8 A·h battery pack, PA40W-2 power adapter with 110 V power cord. Additional

· Advanced triggering and recording options

Increased storage capacity, and more!

PRODUCT INCLUDES

accessories (model dependent).

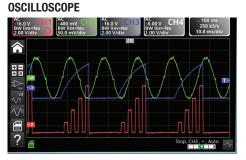
FEATURES

12-bit resolution

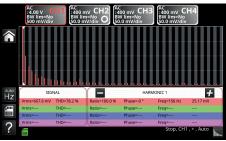
• 2.5 GS/s







HARMONICS



MULTIMETER - DISPLAYS UP TO 4 CHANNELS SIMULTANEOUSLY



MEASUREMENT BETWEEN H AND V CURSORS: T1, T2, DT, 1/DT, V1, V2, DV, PH



CAT. #5000.17 Set of 5 stylus pens

CAT. # DESCRIPTION

ACCESSORIES/REPLACEMENTS

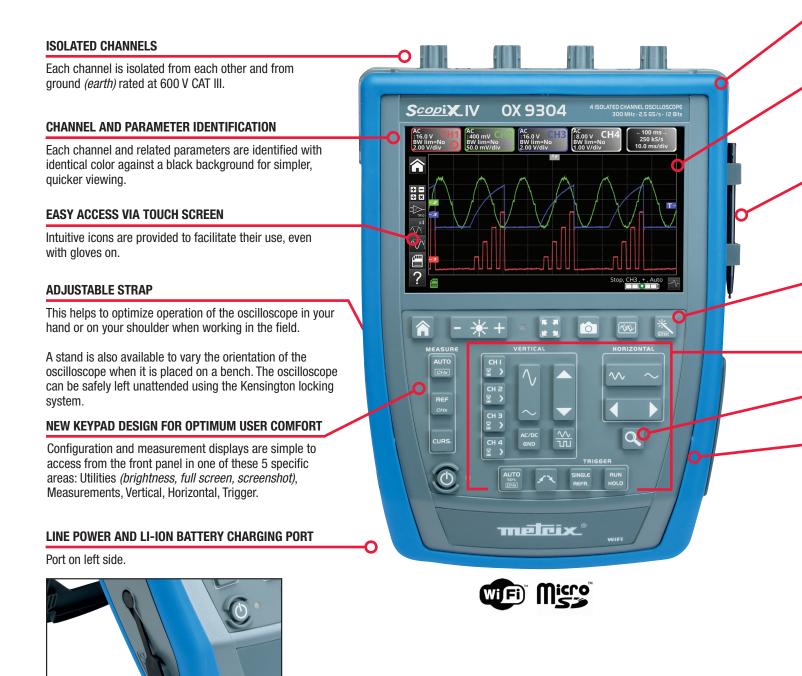
2150.31	Hand-held Portable Oscilloscope Model 0X 9062 IV 60 MHz (2-Channel, 60 MHz) — SPECIAL ORDER ONLY
2150.32	Hand-held Portable Oscilloscope Model 0X 9102 IV 100 MHz (2-Channel, 100 MHz) — SPECIAL ORDER ONLY
2150.33	Hand-held Portable Oscilloscope Model OX 9104 IV 100 MHz (4-Channel, 100 MHz)
2150.34	Hand-held Portable Oscilloscope Model OX 9304 IV 300 MHz (4-Channel, 300 MHz)



ERGONOMICS

Designed to simplify use with one button access to most functions

In a housing tailor-made to be as compact as possible, the mechanical design makes it possible to integrate the hardware components in a small size with the keypad benefits from new technology developed in the automotive industry.



APPLICATIONS

Ideal for electronic and industrial maintenance

IP54

Housing protected against dust and water spray.

7-INCH WVGA WIDE COLOR TFT TOUCH SCREEN

Makes it easy to view and read the measurements clearly. It also provides a screen resolution of (800 x 480) dpi with manual or automatic brightness.

TOUCH-SCREEN STYLUS STORAGE

Among the essential tools available, the stylus is equipped with a hook for the addition of a cord to make it captive, as required. One end is slightly flattened to prevent rolling when placed on a table or bench.

AUTOSET BUTTON

Quickly and effortlessly adjusts the horizontal and vertical; sensitivity and scales to provide the best resolution.

DIRECT SETTING AND SETUP BUTTONS

DIRECT ACCESS ZOOM BUTTON

Activates/Deactivates the horizontal Zoom function.

COMMUNICATION INTERFACES

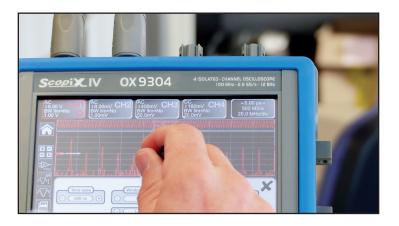
These are isolated from one another and from the measurement channels. A dedicated compartment on the right side protected by a flexible cover contains all the different communication interface ports:

- USB host for communication with a PC
- Wired RJ45 or Wi-Fi for communication with a PC or printing via a network printer
- µSD card for data storage with quick transfer and for upgrading of the instrument's firmware



ELECTRONIC MAINTENANCE

The OX 9304 model is ideal for electronics with its 300 MHz bandwidth, (4) 600 V CAT III isolated channels, advanced trigger functions, integrated FFT function, complex mathematical calculations on the curves, automatic measurements on 4 channels and the built-in WEB server.



INDUSTRIAL MAINTENANCE

The OX 9304's large 7-inch screen, Harmonic Analyzer and Multimeter modes make it ideal for industrial maintenance applications.





OSCILLOSCOPES

TECHNICAL SPECIFICATIONS	OX 9062	OX 9102	ta da la companya da	OX 9104	OX 9304		
		HUMAN-MACHINE INTERFA	ACE				
Type of Display	7 in WVG	A color TFT LCD touch screen, (800	x 480) dpi, L	ED backlighting (adju	stable standby mode)		
Different Display Mode							
Display of Curves on Screen	4 curves, 4 references, split screen and full screen modes						
Screen Commands Touch screen / icons and graphical commands / customizable channel color							
Choice of Language	nd contextual help						
		OSCILLOSCOPE MODE					
	00.1411	Vertical Deflection			000 MU		
Bandwidth	60 MHz	(1E 1 E) MU-	100 MHz	luuidth limitor	300 MHz		
Number of Channels	(15, 1.5) MHz or 5 kHz bandwidth limiter						
Number of Channels	2 isolated channels 4 isolated channels						
Input Impedance	1 M Ω ± 0.5 %, approximately 12 pF						
Maximum Input Voltage		600 V CAT III (1000 V per Probix),					
Vertical Sensitivity	•	5 mV to 200 V / div and up to 156 j			,. .		
Vertical Zoom	One o	click Winzoom mode (12-bit conver		• •	,.		
Probe Factor (non-Probix)		1 / 10 / 100 / 1000 or any s	caling – defir	nition of measurement	t unit		
		Horizontal Deflection					
Sweep Speed	•	1 ns / div to 200 s / div., accuracy			,		
Horizontal Zoom	One click Winz	zoom system (direct graphical zoon	m on screen)	x 1 to x 5 or x 100 <i>(st</i>	orage 100 kpts / channel)		
		Triggering					
Mode		On all the channels: automa	tic, triggered,	one-shot, auto level s	50 %		
Туре	Edge, pulse width (16 ns to 20 s), Delay (48 ns to 20 s), Counting (3 to 16,384) events. Continuous adjustment of trigger position.						
Coupling		AC, DC GND, HFR, LFR, noise, Lev	el and Hold-o	off adjustable from 64	ns to 15 s		
Sensitivity	≤ 1.2 division p-p up to 300 MHz						
		Digital Storage					
Maximum Sampling Rate		2.5 GS / s in one-shot mode on	each channel	(100 GS / s max. in E	TS mode)		
Vertical Resolution							
Memory Depth							
	Internal = 1 GB to store the files: trace, text, configuration, math functions, system memory / PDF print files,						
User Storage / File Management	PNG image files + high-capacity removable μ SD card: SD 2 GB, SDHC (4 to 32) GB and SDXC > 32 GB						
GLITCH Mode							
Display Modes	2 to 64) - XY (vector)) and $Y(f) = FFT$					
		Other Functions					
AUTOSET		Complete in under 5 s, with rec	panition of the	e channels. Frequency	′ > 30 Hz		
FFT Analyzer & MATH Functions							
Cursors	0	s: simultaneous V and T with AUTO measurement: T1, T2, Dt, 1 / Dt, dBV, Ph					
Automatic Measurements	Simultaneously with waveform, 20 automatic measurements per channel and on the 4 channels simultaneously with scroll						
		MULTIMETER MODE					
General Specifications	2 or 4 channels – 800		ve / TRMS / T	ime / date-stamped or	aphical recording in logger mod		
General Specifications 2 or 4 channels – 8000 cts min / max / frequency / relative / TRMS / Time / date-stamped AC, DC and AC + DC Voltages 600 mV to 600 Vrms, 800 mV to 800 Vpc – Vpc accuracy + / - (0.5 % + 25)							
Resistance	80Ω to $32 M\Omega$ – accuracy 0.5 % R+ 25 D – quick continuity test < 10 ms						
Other Measurements		Temperature / Capacitance 5 nF to 5 mF / Frequency 200 kHz / Diode test 3.3 V					
Single and Three-Phase Power	Active Reacti	enperature / capacitance 3 in to 3 in / requeiny 200 km2 / blode lest 3.3 v					
	רוטנוזים, הפמטנו	Harmonic Analyzer Mod					
Multi-channel Analysis	2 or A (don	ending on model), 63 orders, funda		ency (10 to 150) H- in	auto or manual modo		
Simultaneous Measurements	2 01 4 (<i>dep</i>	Total Vrms, THD and selected or		,			
		Logger Mode		nemai, phase, hequel	icy, VIIIIS)		
Acquisition		Duration: 20,000 s / Interva		2: 100.000 moseurom	onte		
Acquisition		GENERAL	u. u.2 5 / FII8	s. 100,000 measurem	61113		
Configuration Momenta			na to douise	(variable file sizes)			
Configuration Memories	Not limited according to device <i>(variable file sizes)</i> Network printing via Ethernet / Wi-Fi in .png format						
Printing		1 0		10	(i (DC		
PC Communication – Software	Ethernet (100 baseT), Wi-Fi-USB (device, 12 Mbps), ScopeNet application software for PC PC: Ethernet and USB, ScopeNet (remote control, data recovery, cursors and automatic measurements)						
Software	PC: Etherr	net and USB, ScopeNet <i>(remote con</i> Android [™] tablet – Scop			matic measurements)		
Maina Dowar Cupply	Li-ion	5.8 Ah rechargeable battery pack			ble standby mode		
Mains Power Supply	Adapter / 2-hour fast charger, universal (98 to 264) V / (50 / 60) Hz)						
Safety / EMC / IP Protection	Safety as per IEC 61010-2-30, 600 V CAT III, 1000 V CAT II / EMC as per EN 61326-1 / IP54 protection						
		(11.52 x 8.29 x 2.60) in (293 x 2	211 x 66) mm	/ 4.6 lb (2.1 kg) with	hatteries		
Mechanical Specifications							

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