

OSCILLOSCOPES

Portable Oscilloscope Models OX 7102-C" & OX 7104-C"



Features

- 5 complementary tools in a single instrument: Oscilloscope, FFT Analyzer, Multimeter/Wattmeter, Harmonic Analyzer on voltage/current/power and Recorder
- Sampling rate 1GS/s in one-shot mode and 50GS/s in ETS mode
- 2 or 4 isolated measurement channels (600V CAT III) and up to 8 curves on screen
- 2 or 4 independent TRMS digital multimeters (8000 counts, 200kHz)
- LCD touch screen and Windows-like menus on screen
- Probix "plug & play" input terminals and smart sensors
- Standard "real-time" FFT analysis and calculation functions on channels
- Multi-interface communication connectors: RS232, Centronics and Ethernet
- NEW – Memory depth of up to 50,000 points per channel (Oscilloscope and Recorder modes)
- NEW – Triggering on measurement thresholds in Oscilloscope and Multimeter modes
- NEW – Web Server (FTP server / client) with cursors and automatic measurements
- NEW – MiniFlex™ sensors, powered by the instrument
- NEW – Power measurement option included for your power measurements

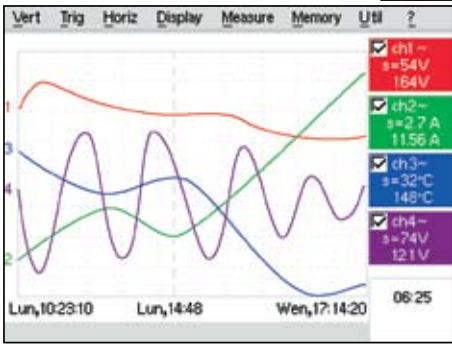
SPECIFICATIONS		
MODELS	OX 7102-C"	OX 7104-C"
INTERFACE		
Screen Specifications	Color 5.7" LCD (115 x 86mm) 320 x 240 – CCFL backlighting	
Display Mode	Vectors with interpolation	
No of Curves on Screen	Four traces and four references – split screen and full screen modes (tracing zone 110 x 74)	
Front Panel Control	32 direct shortcuts	
Screen Control	Touch screen – "Windows-like" menus and graphic commands	
VERTICAL		
Verticle Sensitivity	16 ranges from 2.5mV – 200V/div and up to 156µV/div in verticle zoon mode (12-bit converter) – Accuracy ± 1%	
Bandwidth	100MHz	
Channels	Two isolated channels	Four isolated channels
Accuracy	±0.1%	
Input Impedance	1MΩ ± 0.5%	
Max. Input Voltage	600V CAT III – derating -20dB/decade at 100kHz	
Vertical Zoom	x5 maximum	
HORIZONTAL		
Time Base Speed	35 ranges from 1ns/div to 200s/div	
Accuracy	±1.5%	
Horizontal Zoom	x10 maximum	
DIGITAL MEMORY		
Max. Sampling Speed	50GS/s in ETS – 1GS/s in one shot mode on each channel	
Vertical Resolution	12 bits	
Memory Capacity per Channel	"TRC" approx. 10kB, "TXT" approx. 20kB	
User Memory	2MB	
Other Modes	Envelope mode (Factors from 2 to 64)	
XY Mode	Between two from the four traces – math functions and cursors	
OTHER FUNCTIONS		
Autoset	Complete autoset < 3s with recognition of channels, Frequency >30Hz	
FT Analyzer & Math Functions	FT, +, -, x, / – Editor of mathematical functions	
Cursors	Two or three cursors: V and T simultaneous or Phase Resolution 12 bits, display four digits	
Power Source	Rechargeable 9V 3.8Ah battery (included)	
Battery Life	Four hour operation when fully charged	
Communication	Ethernet, RS-232, Web Server	



Model OX 7104-C" Kit

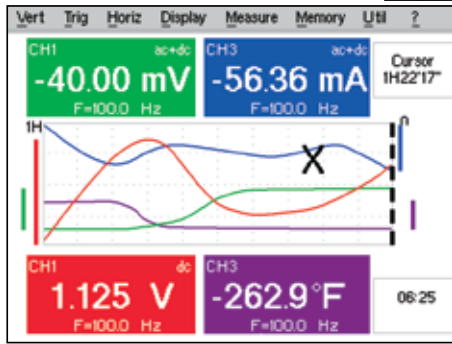
Four Tools in One!

Recorder



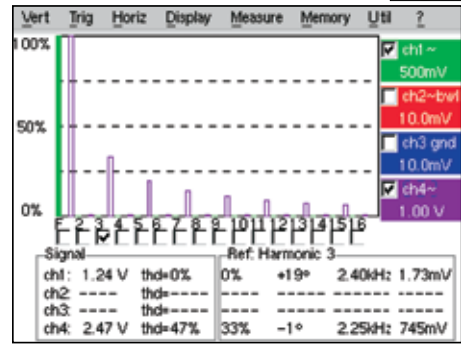
The Model OX 7104-C^{II} supports a great variety of sensors (voltage, current, temperature, 0 to 10V, 4 to 20mA, etc) and displays them in their original physical scale and units.

Multimeter



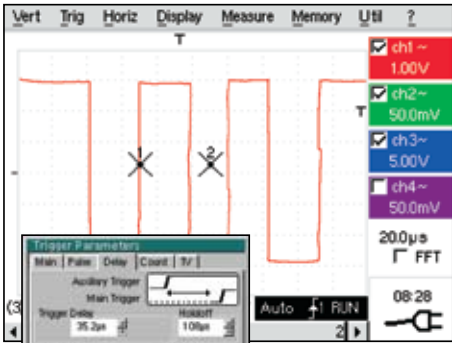
Automatic recording of the measured values are stored in memory on all active channels allowing review of periods lasting from five minutes to 24 hours.

Analyzer



Harmonic analysis results are displayed in bargraph form.

Oscilloscope



Triggering menu allows selection of type, duration, delay, count and more using touch screen drop-down menu.

Probe accessory options for Models OX 7102-C^{II} & OX 7104-C^{II}

AmpFlex[®] 0.5A to 3kA, 200kHz
Catalog #2124.91



MiniFlex[™] 0.5A to 300A, 3MHz
Catalog #2124.92



CATALOG NO.	DESCRIPTION
2124.57	Portable Oscilloscope Model OX 7102-C ^{II} Kit (2x100MHz, Color) Kit includes: Oscilloscope; two PROBIX PRHX1 1/10 Probes 250MHz, 600V CAT III; two PROBIX 4mm banana plug adapter; one US power adapter (115V, 60Hz); one battery pack, NiMH 9.6V, 3.8Ah; two set-of-two color-coded leads, 1.5m (red/black) with needle probe tips; two Ethernet cables (one straight / one crossed); two set-of-two grip probes (red/black); two stylus; aluminum carrying case, SX-METRO data processing and analysis software; Recorder/Harmonic/Power/50K Memory Option (installed); three-year product warranty and registration card, and user manual on CD-ROM.
2124.65	Portable Oscilloscope Model OX 7104-C ^{II} Kit (4x100MHz, Color) Kit includes: Oscilloscope; four PROBIX PRHX1 1/10 Probes 250MHz, 600V CAT III; four PROBIX 4mm banana plug adapter; one US power adapter (115V, 60Hz); one battery pack, NiMH 9.6V, 3.8Ah; four set-of-two color-coded leads, 1.5m (red/black) with needle probe tips; two Ethernet cables (one straight / one crossed); four set-of-two grip probes (red/black); two stylus; aluminum carrying case; SX-METRO data processing and analysis software; Recorder/Harmonic/Power/50K Memory Option (installed); three-year product warranty and registration card, and user manual on CD-ROM.
2124.94	Oscilloscope C ^{II} Series Power Kit (4x100MHz, Color) Kit includes: One PROBIX K Thermocouple adapter; three MiniFlex [™] 0.5A to 300A, 3MHz sensors; three set-of-two color-coded leads, 1.5m (red/black) with color-coded alligator clips; small classic tool bag.
Accessories (Optional)	
2124.75	PROBIX PRHX5, 50Ω Adapter
2124.91	AmpFlex [®] 0.5A to 3kA, 200kHz
2124.92	MiniFlex [™] 0.5A to 300A, 3MHz