

Handheld Oscilloscope Models OX7102^{III} & OX7104^{III} 100MHz

Features

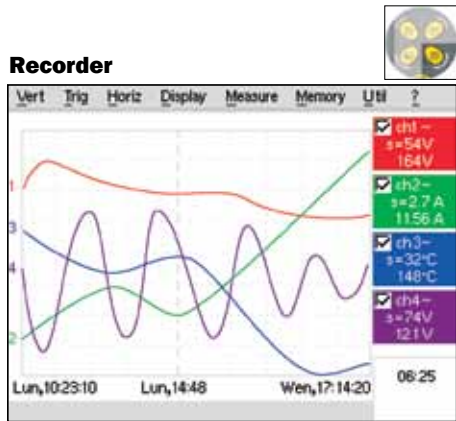
- 5 complementary tools in a single instrument: Oscilloscope, FFT Analyzer, Multimeter/Wattmeter, Harmonic Analyzer on voltage/current/power and Recorder
- Sampling rate 2.5GS/s in one-shot mode and 100GS/s in ETS mode (repetitive signals)
- 2 or 4 isolated measurement channels (600V CAT III) and up to 8 traces 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
- Memory depth of up to 50,000 points per channel (Oscilloscope and Recorder modes)
- 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
- NEW – Adapter for measuring up to 700VAC RMS 1000VDC in



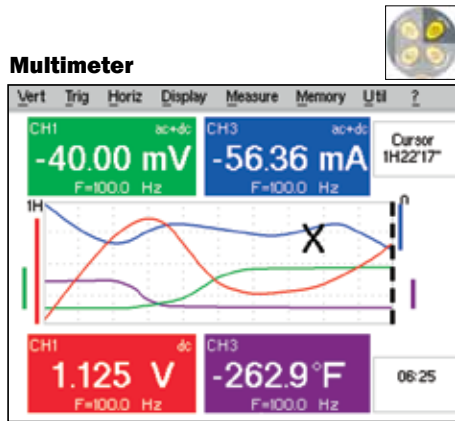
Model OX7104^{III} Kit

SPECIFICATIONS		
MODELS	OX7102 ^{III}	OX7104 ^{III}
INTERFACE		
Screen Specifications	Color 5.7" LCD (115 x 86mm) 320 x 240 – CCFL backlighting	
Display Mode	Vectors with interpolation	
No. of Traces 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		
Vertical Sensitivity	16 ranges from 2.5mV – 200V/div and up to 156µV/div in verticle zoom mode (12-bit converter) – Accuracy ± 1% of Reading	
Bandwidth	100MHz	
Channels	Two isolated channels	Four isolated channels
Accuracy	±0.1% of Reading	
Input Impedance	1MΩ ± 0.5%	
Max Input Voltage	600Vdc, 600Vrms, 850Vpk (DC + peak AC at 1kHz) without 10/1 probe 1000Vrms with 10/1 probe derating -20 dB/decade from 100kHz to 100MHz Zoom factor: from 1 to x 100	
Vertical Zoom	Zoom factor: from 1 to x 100	
HORIZONTAL		
Time Base Speed	35 ranges from 1ns/div to 200s/div	
Accuracy	accuracy ± 0.1% - Roll mode from 100 ms to 200 s/div	
Horizontal Zoom	x100 maximum	
DIGITAL MEMORY		
Max. Sampling Speed	100GS/s in ETS – 2.5GS/s in Single 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	
Trigger Mode	Automatic Triggered, Single shot, Auto Level 50%	
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	

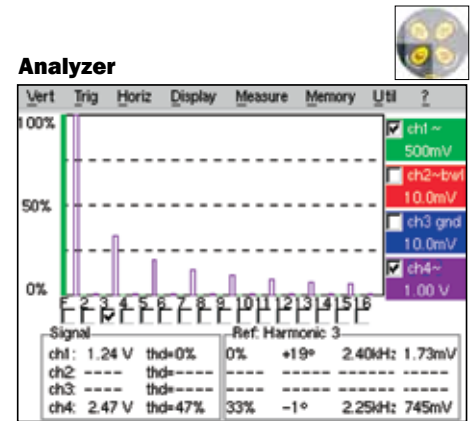
Four Tools in One!



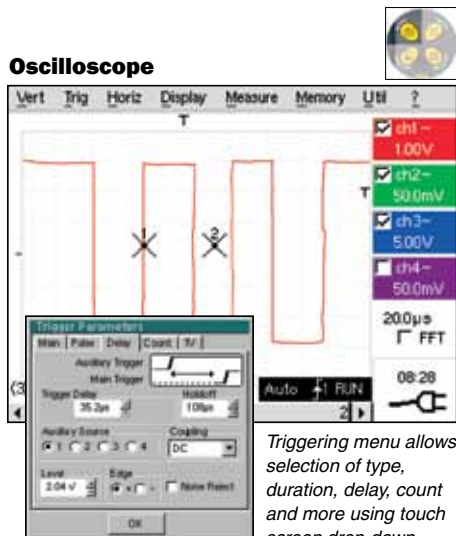
The OX^{III} Series supports a great variety of sensors (voltage, current, temperature, 0 to 10V, 4 to 20mA, etc) and displays them in their original physical scale and units.



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.



Harmonic analysis results are displayed in bargraph form.



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

Probe accessory options for Models OX7102^{III} & OX7104^{III}

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



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



PROBIX PRHX5 50Ω Adapter
Catalog #2124.75



CATALOG NO.	DESCRIPTION
2124.58	Handheld Oscilloscope Model OX7102 ^{III} 100MHz
2124.59	Handheld Oscilloscope Model OX7202 ^{III} 200MHz
2124.67	Handheld Oscilloscope Model OX7104 ^{III} 100MHz
2124.68	Handheld Oscilloscope Model OX7204 ^{III} 200MHz
Accessories (Optional)	
2124.75	PROBIX PRHX5, 50Ω Adapter
2124.91	AmpFlex [®] 0.5A to 3kA, 200kHz for use with Oscilloscope OX Series
2124.92	MiniFlex [®] 0.5A to 300A, 3MHz for use with Oscilloscope OX Series

Model OX 7102^{III} - (2x100MHz)

Cat. #2124.58

PRODUCT PACKAGING

Ships with the following:



(Qty. 1)
Portable Oscilloscope OX 7102^{III}
Cat. #2124.58



(Qty. 1)
Aluminum Carrying Case
Cat. #2124.79



(Qty. 1 each)
Power Adapter 115/230V &
Razor Power Cord 110V US Plug
Cat. #5000.21 & #5000.22



(Qty. 2)
PROBIX Banana Plug Adapter
Cat. #2124.76



(Qty. 1)
NiMH Battery Pack
Cat. #2140.19



(Qty. 2)
PROBIX PRHX1, 1/10 Probe
Cat. #2124.73



(Qty. 1)
USB Cable
Cat. #2124.96



(Qty. 2)
Stylus
Cat. #5000.17 - replacement set of 5



(Qty. 2 red, 2 black)
Grip Probes
Cat. #2124.86



(Qty. 1)
Ethernet Cable - Crossed
Cat. #2124.81



(Qty. 1)
Ethernet Cable - Straight
Cat. #2124.80



(Qty. 2 red, 2 black)
Color-coded Leads (1.5m) with Probe Tips
Cat. #2124.85

Also Included:

- SX-METRO Software on CD-ROM
- User Manual on CD-ROM in Paper Sleeve
- Three-Year Warranty Card
- Recorder/Harmonic/Power/50K Memory Option (installed)
- Quick Reference User Manual

Model OX 7202^{III} - (2x200MHz)

Cat. #2124.59

PRODUCT PACKAGING

Ships with the following:



(Qty. 1)
Portable Oscilloscope OX 7202^{III}
Cat. #2124.59



(Qty. 1)
Aluminum Carrying Case
Cat. #2124.79



(Qty. 1 each)
Power Adapter 115/230V &
Razor Power Cord 110V US Plug
Cat. #5000.21 & #5000.22



(Qty. 2)
PROBIX Banana Plug Adapter
Cat. #2124.76



(Qty. 1)
NiMH Battery Pack
Cat. #2140.19



(Qty. 1)
512MB Memory Card
Cat. #2124.97



(Qty. 2)
PROBIX PRHX1, 1/10 Probe
Cat. #2124.73



(Qty. 1)
USB Cable
Cat. #2124.96



(Qty. 2)
Stylus
Cat. #5000.17 - replacement set of 5



(Qty. 2 red, 2 black)
Grip Probes
Cat. #2124.86



(Qty. 1)
Ethernet Cable - Crossed
Cat. #2124.81



(Qty. 1)
Ethernet Cable - Straight
Cat. #2124.80



(Qty. 2 red, 2 black)
Color-coded Leads (1.5m) with Probe Tips
Cat. #2124.85

Also Included:

- SX-METRO Software on CD-ROM
- User Manual on CD-ROM in Paper Sleeve
- Three-Year Warranty Card
- Recorder/Harmonic/Power/50K Memory Option (installed)
- Quick Reference User Manual

Model OX 7104^{III} - (4x100MHz)

Cat. #2124.67

PRODUCT PACKAGING

Ships with the following:



(Qty. 1)
Portable Oscilloscope OX 7104^{III}
Cat. #2124.67



(Qty. 1)
Aluminum Carrying Case
Cat. #2124.79



(Qty. 1 each)
Power Adapter 115/230V &
Razor Power Cord 110V US Plug
Cat. #5000.21 & #5000.22



(Qty. 4)
PROBIX Banana Plug Adapter
Cat. #2124.76



(Qty. 1)
NiMH Battery Pack
Cat. #2140.19



(Qty. 4)
PROBIX PRHX1, 1/10 Probe
Cat. #2124.73



(Qty. 1)
USB Cable
Cat. #2124.96



(Qty. 2)
Stylus
Cat. #5000.17 - replacement set of 5



(Qty. 4 red, 4 black)
Grip Probes
Cat. #2124.86



(Qty. 1)
Ethernet Cable - Crossed
Cat. #2124.81



(Qty. 1)
Ethernet Cable - Straight
Cat. #2124.80



(Qty. 4 red, 4 black)
Color-coded Leads (1.5m) with Probe Tips
Cat. #2124.85

Also Included:

- SX-METRO Software on CD-ROM
- User Manual on CD-ROM in Paper Sleeve
- Three-Year Warranty Card
- Recorder/Harmonic/Power/50K Memory Option (installed)
- Quick Reference User Manual

Model OX 7204^{III} - (4x200MHz)

Cat. #2124.68

PRODUCT PACKAGING

Ships with the following:



(Qty. 1)
Portable Oscilloscope OX 7204^{III}
Cat. #2124.68



(Qty. 1)
Aluminum Carrying Case
Cat. #2124.79



(Qty. 1 each)
Power Adapter 115/230V &
Razor Power Cord 110V US Plug
Cat. #5000.21 & #5000.22



(Qty. 2)
PROBIX Banana Plug Adapter
Cat. #2124.76



(Qty. 1)
NiMH Battery Pack
Cat. #2140.19



(Qty. 1)
512MB Memory Card
Cat. #2124.97



(Qty. 4)
PROBIX PRHX1, 1/10 Probe
Cat. #2124.73



(Qty. 1)
USB Cable
Cat. #2124.96



(Qty. 2)
Stylus
Cat. #5000.17 - replacement set of 5



(Qty. 4 red, 4 black)
Grip Probes
Cat. #2124.86



(Qty. 1)
Ethernet Cable - Crossed
Cat. #2124.81



(Qty. 1)
Ethernet Cable - Straight
Cat. #2124.80



(Qty. 4 red, 4 black)
Color-coded Leads (1.5m) with Probe Tips
Cat. #2124.85

Also Included:

- SX-METRO Software on CD-ROM
- User Manual on CD-ROM in Paper Sleeve
- Three-Year Warranty Card
- Recorder/Harmonic/Power/50K Memory Option (installed)
- Quick Reference User Manual

OX^{III} Optional Accessories



PROBIX PRHX4, BNC adapter
(HX0031)
Cat. #2124.74



PROBIX PRHX5, 50Ω adapter
(HX0032)
Cat. #2124.75



PROBIX PRHX7 K thermocouple
adapter (HX0035)
Cat. #2124.78



PROBIX RTD100 (PT100) Adapter
(HX0036)
Cat. #2124.98



Tip and Clip Accessory (600V) for
PROBIX PRHX1 1/10 Probe
Cat. #2124.90



AmpFlex® 0.5A to 3kA, 200kHz
(HX0072)
Cat. #2124.91



MiniFlex® 0.5A to 300A, 3MHz
(HX0073)
Cat. #2124.92



PROBIX current probe, 20mA-20A,
100kHz (HX0034)
Cat. #2124.77