

TECHNICAL SPECIFICATIONS	OX 7042 ⁽¹⁾	OX 7062	OX 7102	OX 7202	OX 7104	OX 7204
MAN-MACHINE INTERFACE						
Type of display	5.7" B&W ⁽¹⁾ LCD screen (115 x 86 mm) - 320 x 240 - CCFL backlighting (adjustable standby time) or 5.7" colour TFT LCD (115 x 86 mm) - 320 x 240 - LED backlighting (adjustable standby time)					
Screen commands	Touch screen - "Windows-like" menus and graphic commands					
Choice of language	Menus and online help in 5 languages (French, English, German, Spanish, Italian)					
OSCILLOSCOPE MODE						
Vertical deflection						
Bandwidth	40 MHz	60 MHz	100 MHz	200 MHz	100 MHz	200 MHz
	15 MHz, 1.5 MHz or 5 kHz bandwidth limiter					
Number of channels	2 isolated channels				4 isolated channels	
Vertical sensitivity	16 calibres from 2.5 mV - 200 V/div and up to 156 µV/div in vertical zoom mode (12-bit converter) - Accuracy ± 1 %					
Vertical zoom	"One Click Winzoom" system (12-bit converter and direct graphical zoom on screen) - x 16 max.					
Probe factors	1 / 10 / 100 / 1,000 or any scaling - Definition of measurement unit					
Horizontal deflection						
Sweep speed	35 calibres from 1 ns/div to 200 s/div., accuracy ± 0.1 % - Roll mode from 100 ms to 200 s/div					
Horizontal zoom	"One Click Winzoom" system (direct graphical zoom onscreen) - x 100 max					
Triggering						
Mode	On all channels: automatic, triggered, one-shot, auto level 50 %					
Type	Edge, pulse width (20 ns - 20 s), delay (120 ns to 20 s), counting (3 to 16,384 events), TV frame or no. of lines (525 = NTSC or 625 = PAL/SECAM) - Triggering after delay - Continuous adjustment of Trigger position					
On measurement window	On one of the 16 automatic measurements - Acquisition and automatic storage of faults					
Digital memory						
Maximum sampling rate	100 GS/s in ETS mode - 2.5 GS/s in one-shot mode (on each channel) - 12 bits (vertical resolution 0.025 %)					
Memory depth	2,500 points/channel and up to 50,000 points/channel with the "Extended Acquisition Memory" option					
User memory	2 MB for storing various types of files: trace, text, configuration, mathematical functions, print files, image files, etc.					
"Windows-like" file management	+ large-capacity removable SD-Card (512 MB to 2 GB)					
GLITCH modes and averaging	2 ns GLITCH Mode, Envelope Mode, Averaging (Factors 2 to 64), XY Mode					
Other functions						
FFT analyser & MATH functions	FFT (Lin or Log) with measurement cursors - Functions: +, -, x, / and mathematical function editor					
Cursors	2 or 3 cursors: simultaneous V and T or Phase - Resolution 12 bits, display 4 digits					
Automatic measurements	19 time or level measurements, Phase measurement - Resolution 12 bits, display 4 digits					
MULTIMETER MODE						
General characteristics	2 or 4 channels - 8,000 counts max. + min/max bargraph - TRMS - Time/date-stamped graphic recording (5 min to 31 days)					
AC, DC and AC + DC voltages	600 mV to 600 VRMS, 800 mV to 800 VDC - VDC accuracy 0.5 % R + 5 D - bandwidth 200 kHz					
Trigger on measurement window	2 or 4 monitored channels, parameterizable fault duration - Up to 100 time/date-stamped faults stored in a ".TXT" file					
Active power and PF	Single-phase - Balanced three-phase (OX 7104 or OX 7204), with or without neutral and using the 2-wattmeter method					
Resistance	80 Ω to 32 MΩ - accuracy 0.5 %R + 25 D - 10 ms quick continuity test					
Other measurements	Temperature (HX0035 = K TC, HX0036 = Pt 100) - Capacitance 5 nF to 5 mF - Frequency 200 kHz - Diode test 3.3 V					
HARMONIC ANALYSER MODE (option)						
Multi-channel analysis	2 or 4 (depending on model), 61 orders, fundamental frequency from 40 to 450 Hz in auto or manual mode					
Simultaneous measurements (voltage/current)	Total RMS value, THD and selected order (% fundamental, phase, frequency, RMS value)					
Single-phase and balanced three-phase power	Harmonic analysis on apparent power with "received/transmitted" indication for each order					
RECORDER MODE (option)						
Sampling duration	2 s to 1 month / 800 µs to 18 min (40 µs to 53 s with the "Extended Memory Acquisition" option)					
Recording conditions	On thresholds or window, simultaneous conditions on several channels, with parameterizable duration starting at 160 µs					
Recording analysis	Scales and physical units, automatic or cursor measurements, time-stamped fault searching, zoom, etc.					
General specifications						
Printing	Network printer via 10 Mb Ethernet (standard), RS232 (standard) or Centronics (option)					
PC communication	10 Mb local Ethernet, USB or RS 232 (option) (max. 115 kbps) - "SX-Metro" PC application software (option)					
Network	10 Mb remote Ethernet, Web server (remote control, "real-time" trace, cursors and automatic measurements) FTP server (file exchange with a PC), FTP client (storage on PC hard disk - unlimited), utility SCOPEADMIN					
Power supply	Mains power supply NiMH battery - Battery life up to 7.5 hrs - Adjustable standby function - Multi-voltage adapter/high-speed charger (standard) - 98-264 V / 47-63 Hz / (15 W)					
Safety / EMC	Safety as per IEC 61010-1 (2001) - EMC as per EN61326-1 - 600 V CAT III					
Mechanical specifications	265 x 195 x 56 mm - 1.9 kg with batteries - Protection IP51 (IP41 for OX 7104 and OX 7204)					