

TECHNICAL SPECIFICATIONS		OX 5022	OX 5042
MAN-MACHINE INTERFACE			
Type of display	3.5" colour TFT LCD screen – Resolution 320x240 –LED backlighting		
Display mode	2,500 real acquisition points on screen		
Display of curves on screen	2 curves + 2 references + memory trace or mathematical calculation		
Commands	Direct adjustments on front panel & on-screen menus via browser (principal & secondary without "hidden menus")		
Integrated interactive help function	11 languages: French, English, German, Spanish, Italian, Swedish, Rumanian, Russian, Finnish, Polish, Dutch		
OSCILLOSCOPE MODE			
Vertical deflection			
Bandwidth	20 MHz	40 MHz	
Bandwidth limiter	1.5 MHz, 5 kHz		
Number of channels	2 totally-isolated channels		
Input impedance	1 MΩ ±0.5%, approx. 17 pF		
Maximum input voltage	600 V CAT III – Derating -20dB per decade from 100 kHz		
Vertical sensitivity	5 mV to 200 V/div		
Horizontal deflection			
Sweep speed	25 ns/div to 200 s/div –Roll Mode from 100 ms to 200 s/div		
Horizontal zoom	Zoom factor: x1, x2, x5		
Triggering			
Mode	Automatic, triggered, one-shot & triggered Roll		
Type	Edge, pulse width (20 ns – 20 s)		
Coupling	AC or DC (depending on the coupling of the triggering channel) - HF, LF or noise rejection		
Sensitivity	≤ 1.2 divisions p-p up to 20 MHz	≤ 1.2 divisions p-p up to 40 MHz	
Digital memory			
Maximum sampling rate	2 GS/s in ETS mode – 50 MS/s in one-shot mode on each channel		
Vertical resolution	9 bits		
Memory depth	2,500 points per channel		
User storage	2 MB for storing files: trace (.trc), text, (.txt), configuration (.cfg), image files (.bmp)		
GLITCH mode	Duration ≥ 20 ns – 1,250 Min/Max pairs		
Display modes	Envelope, Averaging (factors 2 to 64) and XY (vector)		
Other functions			
MATH functions	Channel inversion, addition, subtraction, multiplication and division (adjustable scaling)		
Cursor measurements	2 cursors: V, T, dV, dt simultaneously –4-digit display resolution		
Automatic measurements	18 time or level measurements and phase measurement		
MULTIMETER MODE			
General specifications	2 channels, 8,000-count display + min/max bargraph – Graphic recording of 2,700 measurements (5 min to 1 month)		
Operating modes	Absolute or relative display (absolute, deviation, ref, ref%) – Monitoring (instantaneous, Min, Max, Avg)		
AC, DC and AC+DC voltages	Ranges from 600 mV to 600 VRMS, 800 mV to 800 VDC – accuracy for VDC 1%reading+20D –50 kHz bandwidth		
Resistance	Range from 80 Ω to 32 MΩ - accuracy 2%R + 10D –10 ms quick continuity test		
Capacitance	Ranges from 5 nF to 5 mF – basic accuracy 2%reading+10D		
Other measurements	Frequency, rotation speed, 3.3 V diode test, temperature measurement (with K thermocouple or infrared probe)		
POWER			
Measurements	Single-phase and balanced three-phase active power values (with or without neutral), simultaneous display of current		
HARMONIC ANALYSER MODE			
Multi-channel analysis	2 channels, 31 orders, fundamental frequency from 40 to 450 Hz		
Simultaneous measurements	Total V _{RMS} , THD and selected order (%fundamental, phase, frequency, V _{RMS})		
GENERAL SPECIFICATIONS			
Screenshots	Up to 100 file in standard ".bmp" format, viewable on the instrument		
PC communication	Isolated optical USB interface –"SX-Metro" PC application software available as an option (version CK)		
Power supply	6 LR6 or 6 AA NiMh batteries – Battery life up to 8 hrs 30 min – Universal mains adapter isolated from the channels – Quick charging in 2 hrs 30 min		
Safety / EMC	Safety according to IEC61010-1 Ed3 – 600 V CAT III – EMC according to EN61000-3, 2001 & EN61326-1, 2006		
Mechanical specifications	214x110x57mm – 1.2 kg with batteries – moulded elastomer casing, IP54 protection		
Warranty	3 years		