

Digital laboratory oscilloscopes 60 to 200 MHz



Laboratory oscilloscopes, compact and lightweight multifunction diagnosis tools!

- Three complementary tools in one. Extremely compact and efficient:
OSCILLOSCOPE; RECORDER-MULTIMETER; FFT ANALYZER
- Single-shot sampling speed: 1 Ge/s and 10 Ge/s in ETS
- Memory depth: 2.5 k per channel
- 2 300 V Cat II insulated measurement channels and up to 4 curves on screen
- Standard real-time FFT analysis and calculation functions on channels
- 2 digital multimeters, TRMS, 8,000-counts, 200 kHz, independent
- Colour or monochrome LCD screen with tactile faceplate
- 30 direct control keys and Windows-like menus on screen
- Multi-interface communication connection: RS232, USB and Ethernet with WEB server (depending on accessories)

A Brand of

OX 6062, OX 6152, OX 6202: Digital laboratory oscilloscopes

Technical features	OX 6062E-M * / OX 6062E-C	OX 6152E-C	OX 6202E-C
USER INTERFACE			
Display type	5" 7 (115 x 86 mm) Colour or B&W LCD* - 320 x 240 -CCFL backlighting (adjustable standby)		
Display mode	500 real acquisition points on screen - Vectors with Interpolation		
Display of curves on screen	4 curves + 4 references - Split Screen & Full Screen mode (110 x 74 trace zone)		
Front panel controls	30 direct access controls & shortcuts - 1 M/A key and standby		
Screen controls	Tactile screen - Windows-like menus and graphic controls		
Choice of language	5 complete languages, menus & on-line help (English, French, German, Italian, Spanish)		
VERTICAL			
Bandwidth	60 MHz	150 MHz	200 MHz
	Bandwidth limiter 20 MHz, 1.5 MHz or 5 kHz		
Number of channels	2 channels		
Input impedance	1 M Ω \pm 0.5 %, approx. 15 pF		
Maximum input voltage	300 V/Cat. II - BNC standard - Derating -20 dB/decade from 100 kHz		
Vertical sensitivity	15 ratings from 2.5 mV-100 V/div		
Vertical accuracy	\pm 2 %		
Vertical zoom	One-click Winzoom system (10-bit converter and graphic zoom directly on screen) - x 16 max		
Probe factors	1/10/100/1,000 or any scaling - definition of measurement units		
HORIZONTAL			
Scanning speed	35 ratings from 1 ns/div to 200 s/div - Roll mode from 100ms to 200s/div		
Time accuracy	\pm 0.1 %		
Horizontal zoom	One Click Winzoom system (graphic zoom directly on screen) - x 5 maximum		
ACTIVATION			
Mode	Automatic, Activated, Single-shot, Auto Level 50 %		
Source	CH1, CH2, EXT, LINE		
Type	Front, Pulse width (20 ns-20 s), field TV or line TV (525=NTSC or 625=PAL/SECAM) Continuous adjustment of trigger position		
Coupling	AC, DC, HFR, LFR, noise - adjustable Hold-Off from 160 ns to 30 s		
Sensitivity	\leq 0.6 div to 1 KHz / \leq 1.5 div at full bandwidth		
DIGITAL MEMORY			
Maximum sampling	10 Ge/s in ETS - 1 Ge/s in single-shot (on each channel)		
Vertical resolution	10 bits (vertical resolution 0.1%)		
Memory capacity per channel	2,500 counts (size of ".TRC" approx. 10 kb, ".TXT" approx. 20 kb) - Maximum capacity approx. 2 Mb		
User memory λ 1 Mb	The ".TRC", ".CFG" and ".FCT" files can be used directly by the instrument.		
Management of "Windows-like" files	Files in Windows format can be used on a PC: ".TXT", ".BMP", ".GIF", etc.		
GLITCH Mode	Duration \geq 2 ns/1,250 couples Min/Max/valid on all time base speeds		
Other Modes	Enclosure, Averaging (factors 2 to 64)		
XY Mode	Between any two of the 4 curves - mathematical functions & phase measurement		
OTHER FUNCTIONS			
AUTOSET	Complete in less than 5 s, with channel recognition - Frequency > 30Hz		
FFT analyzer & MATH functions	FFT (Lin or Log scales) - Functions +, -, x, / with management of coefficients & units		
Cursors	2 or 3 cursors: Phase or simultaneous V and T - 10-bit resolution, 4-digit display		
Automatic measurements	19 time or level measurements, Phase measurement - 10-bit resolution, 4-digit display		
MULTIMETER (except OX6202E-C)	2 channels - 8,000 counts + bargraph min/max - TRMS - Timestamped graphic recording (5 min to 31 days)		
AC, DC, AC + DC voltage	400.0 mV to 300.0 VRMS or 400.0 VDC - accuracy VDC 0.5 %L+5D - bandwidth 200 kHz		
Resistance	80.00 Ω to 32.00 M Ω - accuracy 0.5 %L + 5D - Fast continuity test 10 ms		
Other measurements	Capacities: 5.000 nF to 5.000 mF / Frequency 200.0 MHz / Temperature (Pt100) / Diode test 3.3 V		

General specifications	
Configuration memories	Unlimited - size of ".CFG" approx. 1kb
Screen shot Network (standard), RS232 (standard), or Centronics (optional accessory)	11 B&W or colour Drivers: IBM Proprinter, Epson ESC/P, Canon HP PCL, Seiko DPU411, Postscript Image files: ".BMP" approx. 10 kb, ".GIF" approx. 5 kb (memory storage, Ethernet or RS232 transfer)
PC communication	10 Mb local Ethernet, RS 232 (maxi 115 kbs) or USB (optional) - 10 Mb remote Ethernet and web server - "Sx-Metro" PC software (optional)
Mains supply	Adjustable standby - Multi-voltage 98-264 V/47-63 Hz / < 15 W - removable lead
Mechanical features	230 (h) x 185 (l) x 180 (p) mm - 1.4 kg - Protection PF51
Guarantee/Origin	3 years / France

Accessories supplied:

2 1/1-1/10 switchable probes, 1 RS232 lead, 1 cross-strapped Ethernet lead, a line cord and 1 instruction manual.

To order :

OX6062E-M: Digital oscilloscope, 2 x 60 MHz, B&W
 OX6062E-C: Digital oscilloscope, 2 x 60 MHz, Colour
 OX6152E-C: Digital oscilloscope, 2 x 150 MHz, Colour
 OX6202E-C: Digital oscilloscope, 2 x 200 MHz, Colour



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