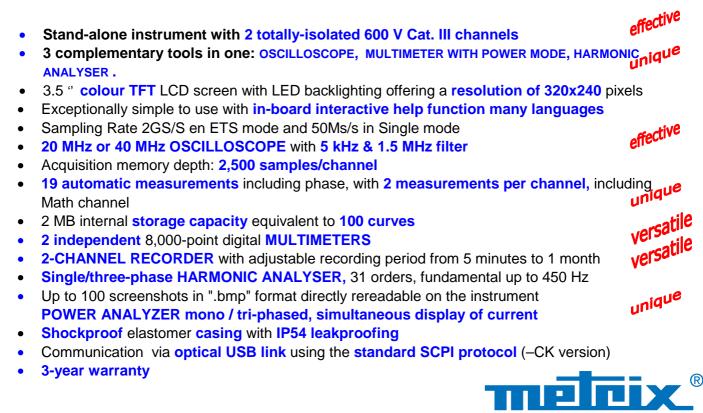
Handscope portable self-contained oscilloscope 2 isolated channels, 20 or 40 MHz



A single multi-function diagnostic instrument with isolated channels for simple, comprehensive and effective work in the field!



Handscope portable self-contained digital oscilloscope

Technical specifications	OX5022	OX5042	
HUMAN INTERFACE			
Display screen	Colour 3" 5 LCD TFT - 3	Colour 3" 5 LCD TFT - 320 x 240 – Backlighting LED	
Display mode	2,500 real-time acquisition points on screen		
Curve display on screen	2 curves + 2 references + trace from memory or mathematical calculation		
Screen control	Direct adjustment on front panel and on-screen menus via browser (main & secondary without "hidden menus")		
On-board interactive help	15 languages, including French, English, German, Spanish, Italian, etc.		
OSCILLOSCOPE MODE			
Vertical deviation			
Bandwidth	20 MHz	40 MHz	
Bandwidth limiter	1.5 MHz, 5 kHz		
Channels	2 totally-isolated channels		
Input impedance	1 MΩ ± 0.5%, approx. 17 pF		
Maximum input voltage	600 V / CAT III - Derating -20 dB/decade from 100 kHz		
Vertical sensitivity	5 mV-200 V/div		
Horizontal deviation			
Sweep speed	25 ns/div to 200 s/div - Roll Mode from 100ms to 200s/div		
Horizontal zoom	Zoom coefficient: x1. x2. x5		
Trigger circuit			
Mode	Automatic, triggered, single & triggered roll		
Туре	Edge, Public (20 ns-20 s)		
Coupling	AC or DC (depending on trigger channel coupling) - 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 speed	2Gs/s in ETS mode – 50 Ms/s in one-shot mode on each channel		
Vertical resolution	9 bits		
Acquisition memory depth	2,500 samples/channel		
User memory	2 MB for storing trace files (.trc), text files (.txt), configuration files(.cfg) and image files (.bmp)		
GLITCH mode	Duration 2 20 ns – 1.250 pairs of Min/Max values		
Display mode	Envelope, Averaging (Factors 2 to 64) and XY (vector)		
Other functions			
MATH functions	Channel inversion, addition, subtraction, multiplication and division (adjustable scaling)		
Cursors	2 cursors V, T, dV, dT simultaneous - 4-digit display		
Automatic measurements	18 time or level measurements and Phase measurements		
MULTIMETER MODE			
General specifications	2 channels, 8000 cts + 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, AC + DC voltage	600.0 mV to 600.0 VRMs, 800.0 mV to 800.0 VDc - VDc accuracy 1%R+10D – Bandwidth 50 kHz		
Resistance	80.00Ω to $32.00 M\Omega$ - Accuracy 1%R+30D – Fast 10 ms continuity test		
Capacitance	5nF to 5mF - Accuracy 2%R+10D		
Other measurements	Frequency, rotation speed, 3.3 V diode test, temperature measurement (using K thermocouple or infrared sensor)		
Power	Single and balanced three-phase active power (with or without neutral), simultaneous current display		
HARMONIC ANALYSER MODE			
Multi-channel analysis	2 channels, 31 orders, fundamental frequency from 40 to 450 Hz		
Simultaneous measurements	Total Vrms, THD and selected order (fundamental%, phase, frequency, Vrms)		

General specifications		
Screenshots	Up to 100 files in standard ".BMP" format viewable on the instrument	
PC Communication (CK version)	Isolated optical USB interface – "Sx-Metro" application software for PC (depends on model)	
Power supply	6 LR6 batteries ou 6 AA type NiMh rechargeable batteries – Battery life of up to 4 hours	
	Universal mains adapter isolated from the channels, 98-264 V / 47-63 Hz - Fast charging in 2 hrs 30 mins	
Safety / EMC	Safety according to IEC61010-1, Ed.3 – 600 V CAT IIII – EMC according to EN61000-3, 2001 & EN61326-1, 2006	
Mechanical characteristics	214 x 110 x 57 mm - 1.2 kg including batteries - Moulded elastomer casing, IP54 protection	
Warranty	3 years	

State at delivery:

Version C: oscilloscope, 1/10 600 V probe, BNC/banana adapter, set of banana leads, mains adapter, set of 6 NiMH AA batteries, "hands-free" carrying bag for Version CK: oscilloscope, oscilloscope, 1/10 600 V probe, BNC/banana adapter, set of banana leads, inalia data on the version CK: oscilloscope, oscilloscope, 1/10 600 V probe, BNC/banana adapter, set of banana leads, isolated optical USB communication cable, mains adapter, set of 6 NiMH AA batteries, "hands-free" carrying bag for the instrument and its accessories and a CD-ROM containing 1 operating manual and 1 programming manual, the optical USB cable drivers and the SX-METRO software for PC.

References for ordering:

OX5022-C: 1 oscilloscope 2 x20 MHz OX5042-C: 1 oscilloscope 2 x40 MHz OX5022-CK: 1 oscilloscope 2 x20 MHz USB communication HX0108: 1/10 1,000 V probe equipped with a wire-grip and a chassis-earth cable,1 BNC/Banana adapter

OX5042-CK: 1 oscilloscope 2 x40 MHz USB communication



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For assistance and ordering