

OTHER PRODUCTS FROM CHAUVIN ARNOUX® GROUP

Handscope







Models 0X5022 & 0X5042

The only oscilloscopes on the market with isolated channels that fit into one hand





► SPECIFICATIONS	(ear III) / 54 Rated C E	0007
MODELS	0X5022	0X5042
INTERFACE		
Display	3.5" color TFT LCD screen; Resolu	ition 320 x 240 – LED backlighting
Commands	Direct adjustments on front panel & on-screen menus via browser (principal & secondary without "hidden menus")	
Display Mode	2500 real acquisition points on screen	
Display of Curves on Screen	2 curves + 2 references + memory trace or mathematical calculation	
Integrated Interactive Help Function	11 languages: French, English, German, Spanish, Italian, Swedish, Romanian, Russian, Finnish, Polish, Dutch	
OSCILLOSCOPE MODE		
Vertical Deflection		
Bandwidth	20MHz	40MHz
Bandwidth Limiter	1,5MH.	z, 5kHz
Number of Channels	2 totally isolated channels	
Input Impedance	$1M\Omega \pm 0.5\%$, approx. 17pF	
Maximum Input Voltage	600V CAT III – Derating -20dB per decade from 100kHz	
Vertical Sensitivity	5mV to 200V/div	
Horizontal Deflection		
Sweep Speed	25ns/div to 200s/div – Roll Mode from 100ms to 200s/div	
Horizontal Zoom	Zoom factor: x1, x2, x5	
Triggering		
Mode	Automatic, triggered, one-shot & triggered Roll	
Туре	Edge, pulse width (20ns – 20s)	
Coupling	AC or DC (depending on the coupling of the	
Sensitive	\leq 1.2 divisions p-p up to 20MHz	≤ 1.2 divisions p-p up to 40MHz
Digital Memory	000/ : FT0 F0M0/ :	
Maximum Sampling Rate	2GS/s in ETS mode – 50MS/s in one-shot mode on each channel	
Vertical Resolution	9 bits 2500 points per channel	
Memory Depth	2500 points per channel 2MB for storing files: trace (.trc), text (.txt), configuration (.cfg), image files (.bmp)	
User Storage Glitch Mode	Duration ≥ 20ns – 1250 min/max pairs	
Display Modes	Envelope, Averaging (factors 2 to 64) and XY (vector)	
Other Functions	Lityclope, Averaging (lacto	115 2 to 04) and X1 (vector)
Math Functions	Channel inversion addition subtraction mu	ultiplication and division (adjustable scaling)
Cursor Measurement	Channel inversion, addition, subtraction, multiplication and division (adjustable scaling) 2 cursors: V, T, dV, dt simultaneously – 4-digit display resolution	
Automatic Measurement	18 time or level measurements and phase measurement	
MULTIMETER MODE	To time of level measuremen	mo ana phase measarement
General Specifications	2 channels 8000-count display + min/may hargraph - Gr	applic recording of 2700 measurements (5min to 1 month)
Operating Modes	2 channels, 8000-count display + min/max bargraph – Graphic recording of 2700 measurements (5min to 1 month) Absolute or relative display (absolute, deviation, ref, ref%) – Monitoring (instantaneous, min, max, Avg)	
AC, DC & AC+DC Voltages	Ranges from 600mV to 600Vrms, 800mV to 800Vpc – accuracy for Vpc ±1% reading+20D –50kHz bandwidth	
Resistance	Range from 80Ω to $32M\Omega$ - accuracy $\pm 2\%$ reading $+ 10D - 10$ ms quick continuity test	
Capacitance		c accuracy ±2% reading + 10D
Other Measurements POWER	Frequency, rotation speed, 3.3V diode test, temperature measurement (with K-type thermocouple or infrared probe)	
Measurements	Single-phase and balanced three-phase active power value	es (with or without neutral), simultaneous display of current
HARMONIC ANALYZER MODE		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Multi-Channel Analysis		ntal frequency from 40 to 450Hz
Simultaneous Measurements	Total VRMS, THD and selected order (% fundamental, phase, frequency, VRMs)	
GENERAL		
Screenshots	Up to 100 files in standard ".bmp" format, viewable on the instrument	
PC Communication	Isolated optical USB interface "SX-Metro" PC application software (included)	
Power Supply	6 LR6 or 6AA NiMh batteries – Battery life up to 8hrs 30min Universal line adapter isolated from the channels – Quick charging in 2hrs 30min	
Safety/EMC	Safety according to IEC61010-1 Ed3 – 600V CAT III, EN	MC according to EN61000-3, 2001 & EN61326-1, 2006



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Functional Displays

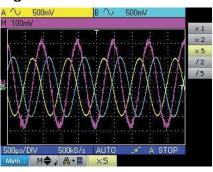
► FEATURES

- · Two isolated channels
- · Three instruments in one
- 20 or 40MHz oscilloscope
- Double 8000-count TRMS multimeter / Power analyzer
- Harmonic analyzer
- 3.5" color LCD screen LED backlighting technology
- Integrated interactive multilingual help function
- · 2MB recording data
- Store graphic recordings of 2700 measurements (5min to 1 month)
- Communication via isolated USB SCPI protocol

► PRODUCT INCLUDES

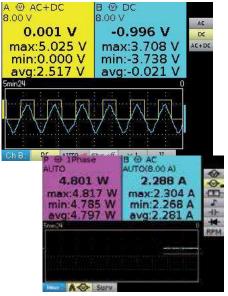


High Performance



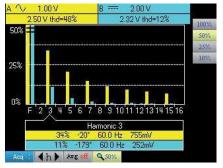
Automatically displays measurements for both isolated channels from your choice of 19 measurement types.

Two Independent 8000-count TRMS Digital Multimeters



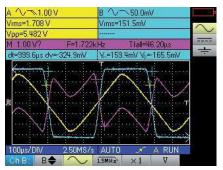
Instantly displays measurements in multimeter mode at the press of a button.

Harmonic Analyzer



Measures two channels of individual harmonic content up to the 31st harmonic.

Storage Communication & PC Software



View real-time measurements on your PC, configure the Handscope, export data to spreadsheet using the SX-Metro included software.

CATALOG NO.	DESCRIPTION
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2150.20 Handscope Portable Oscilloscope Model OX5022-CK (2-Channel, 20MHz)
 2150.21 Handscope Portable Oscilloscope Model OX5042-CK (2-Channel, 40MHz)

