

## **OTHER PRODUCTS FROM CHAUVIN ARNOUX® GROUP**

Handscope



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## Models 0X5022 & 0X5042

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







## ► SPECIFICATIONS

	075000	072040
MODELS	0X5022	0X5042
INTERFACE		
Display	3.5" color TFT LCD screen; Resolution 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	
ntegrated Interactive lelp Function	11 languages: French, English, German, Spanish, Italian, Swedish, Romanian, Russian, Finnish, Polish, Dutch	
SCILLOSCOPE MODE		
ertical Deflection		
andwidth	20MHz	40MHz
andwidth Limiter		/Hz, 5kHz
umber of Channels	2 totally isolated channels	
put Impedance	$1M\Omega \pm 0.5\%$ , approx. $17pF$	
laximum Input Voltage	600V CAT III – Derating -20dB per decade from 100kHz	
ertical Sensitivity	5mV to 200V/div	
orizontal Deflection		
weep Speed	25ns/div to 200s/div – Roll Mode from 100ms to 200s/div	
orizontal Zoom	Zoom factor: x1, x2, x5	
iggering		
lode	Automatic, triggered, one-shot & triggered Roll	
ype	Edge, pulse width (20ns – 20s)	
oupling		he triggering channel) HF, LF or noise rejection
ensitive	$\leq$ 1.2 divisions p-p up to 20MHz	$\leq$ 1.2 divisions p-p up to 40MHz
igital Memory		
aximum Sampling Rate	2GS/s in ETS mode – 50MS/s in one-shot mode on each channel	
ertical Resolution	9 bits	
emory Depth	2500 points per channel	
ser Storage	2MB for storing files: trace (.trc), text (.txt), configuration (.cfg), image files (.bmp)	
litch Mode	Duration $\geq 20$ ns – 1250 min/max pairs	
isplay Modes	Envelope, Averaging (factors 2 to 64) and XY (vector)	
ther Functions		
lath Functions	Channel Inversion, addition, subtraction,	multiplication and division (adjustable scaling)
ursor Measurement		neously – 4-digit display resolution
utomatic Measurement	18 time or level measuren	nents and phase measurement
NULTIMETER MODE		
eneral Specifications		Graphic recording of 2700 measurements (5min to 1 month)
perating Modes		ref, ref%) – Monitoring (instantaneous, min, max, Avg)
C, DC & AC+DC Voltages		- accuracy for VDc $\pm 1\%$ reading+20D - 50kHz bandwidth
esistance	Range from 80 $\Omega$ to 32M $\Omega$ - accuracy ±2% reading + 10D -10ms quick continuity test	
apacitance		asic accuracy ±2% reading + 10D
ther Measurements OWER	Frequency, rotation speed, 3.3V diode test, temperature	e measurement (with K-type thermocouple or infrared probe)
leasurements	Single-phase and balanced three-phase active power va	lues (with or without neutral), simultaneous display of current
ARMONIC ANALYZER MODE	• • • • •	, so the second s
ulti-Channel Analysis		nental frequency from 40 to 450Hz
imultaneous Measurements		(% fundamental, phase, frequency, VRMs)
ENERAL		
creenshots	Lin to 100 files in standard " hm	p" format, viewable on the instrument
C Communication		
	Isolated optical USB interface "SX-Metro" PC application software (included) 6 LR6 or 6AA NiMh batteries – Battery life up to 8hrs 30min	
Power Supply	Universal line adapter isolated from the channels – Quick charging in 2hrs 30min	
Safety/EMC	Safety according to IEC61010-1 Ed3 – 600V CAT III,	EMC according to EN61000-3, 2001 & EN61326-1, 2006



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## Models 0X5022 & 0X5042

## **Functional Displays**

### ► FEATURES

· Two isolated channels

1610

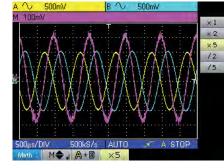
- Three instruments in one
  - 20 or 40MHz oscilloscope
  - Double 8000-count TRMS multimeter / Power analyzer
  - Harmonic analyzer
- 3.5" color LCD screen LED backlighting technology
- Integrated interactive multilingual help function
- 2MB recording data
- · Store graphic recordings of 2700 measurements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

## PRODUCT INCLUDES

"Hands-free" soft carrying case, set of two color-coded (red/black) 5ft silicone leads, set of two color-coded (red/black) alligator clips, set of two color-coded (red/black) needle tip probes, two 10:1 600V/BNC-M probes, one 100 to 240V power supply (12V output), one US power plug adapter (115/230V), one 4mm banana plug adapter, optical USB cable, six NiMH 1.2V rechargeable batteries, SX-METRO software on CD-ROM, user manual on CD-ROM.

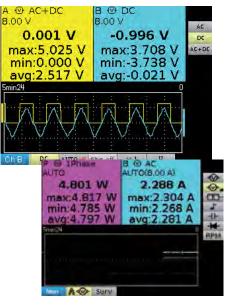


#### **High Performance**



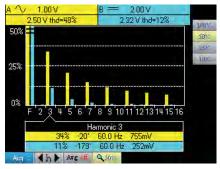
Automatically displays measurements for both isolated channels from your choice of 19 measurement types.

#### **Two Independent 8000-count TRMS Digital Multimeters**



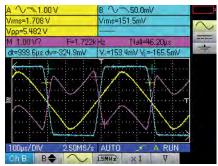
Instantly displays measurements in multimeter mode at the press of a button.

#### **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

2150.20 2150.21

Handscope Portable Oscilloscope Model OX5022-CK (2-Channel, 20MHz) Handscope Portable Oscilloscope Model OX5042-CK (2-Channel, 40MHz)



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