

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

Handscope



50

# Models 0X5022 & 0X5042

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







### ► SPECIFICATIONS

MODELS	0X5022	0X5042
INTERFACE		
Display	3.5" color TFT LCD screer	ı; Resolution 320x240 – 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	11 Janouages: French English German Spanish Italian Swedish	
lelp Function	Romanian, Russian, Finnish, Polish, Dutch	
SCILLOSCOPE MODE		
Vertical Deflection		
Bandwidth	20MHz	40MHz
Bandwidth Limiter		1.5MHz, 5kHz
lumber of Channels	2 totally isolated channels	
nput Impedance	$1M\Omega \pm 0.5\%$ , approx. 17pF	
Aaximum Input Voltage	600V CAT III – Derating -20dB per decade from 100kHz	
ertical Sensitivity	5mV to 200V/div	
lorizontal Deflection		
weep Speed	25ns/div to 200s/div – Roll Mode from 100ms to 200s/div	
lorizontal Zoom	Zoom factor: x1, x2, x5	
riggering		
Node	Automatic, triggered, one-shot & triggered Roll	
уре	Edge, pulse width (20ns – 20s)	
Coupling		g of the triggering channel) HF, LF or noise rejection
Sensitive	$\leq$ 1.2 divisions p-p up to 20MHz	$\leq$ 1.2 divisions p-p up to 40MHz
Digital Memory		
Maximum Sampling Rate	2GS/s in ETS mode – 50MS/s in one-shot mode on each channel	
ertical Resolution	9 bits	
lemory Depth	2500 points per channel	
lser Storage	2MB for storing files: trace (.trc), text (.txt), configuration (.cfg), image files (.bmp)	
ilitch Mode	Duration $\geq$ 20ns – 1250 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)	
ursor Measurement	2 cursors: V, T, dV, dt simultaneously – 4-digit display resolution 18 time or level measurements and phase measurement	
Automatic Measurement	18 time or level mea	surements and phase measurement
MULTIMETER MODE		
General Specifications		ph – Graphic recording of 2700 measurements (5min to 1 month)
Operating Modes		tion, 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 $80\Omega$ to $32M\Omega$ - accuracy 2% reading + 10D -10ms quick continuity test	
Capacitance		nF – basic accuracy 2% reading + 10D
Other Measurements	Frequency, rotation speed, 3.3V diode test, temper	rature measurement (with K-type thermocouple or infrared probe)
Aeasurements	Single-phase and halanced three-phase active new	ver values (with or without neutral), simultaneous display of current
	• • • • • •	יהי אמועהס (אוווו טו אווווטער וובעורמו), אווועורמוובטעס עוסףומץ טו כעודפוור
IARMONIC ANALYZER MODE		indomental fraguency from 40 to 45015
Aulti-Channel Analysis		Indamental frequency from 40 to 450Hz
imultaneous Measurements	IOTAL VKIVIS, THD and selected	order (% fundamental, phase, frequency, VRмs)
ENERAL SPECIFICATIONS		
Screenshots		".bmp" format, viewable on the instrument
PC Communication		"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		AT III, EMC according to EN61000-3, 2001 & EN61326-1, 2006



# Models 0X5022 & 0X5042

### **Functional Displays**

### **FEATURES**

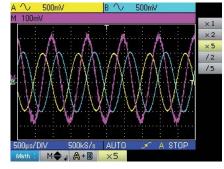
- Two isolated channels
- · Three instruments in one
  - 20 or 40MHz oscilloscope
  - Double 8000-count TRMS multimeter / Power analyzer
  - Harmonic analyzer
- 3.5" color LCD screen LED backlighting technology
- Integrated interactive multilingual help function
- 2MB recording data
- Store graphic recordings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

### PRODUCT INCLUDES

"Hands-free" soft carrying case, set of 2 color-coded (red/black) 5 ft silicone leads, set of 2 color-coded (red/black) alligator clips, set of 2 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.

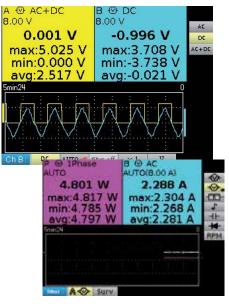


#### High Performance



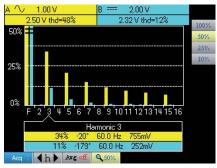
Automatically displays measurements for both isolated channels from your choice of 19 measurement types.

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



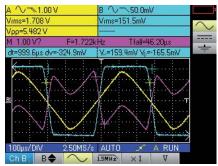
Instantly displays measurements in multimeter mode at the press of a button.

#### Harmonic Analyzer



Measures two channels of individual harmonic content up to the 31<sup>st</sup> 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



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

