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Main Electronic Supplies Ltd 4554 Main Street Vancouver BC Canada V5V 3R5 (604-872-0267)

Oscilloscopes

For more in-depth specifications on these Scopes
Right click to Download ....pfd document........... Left click to view on line
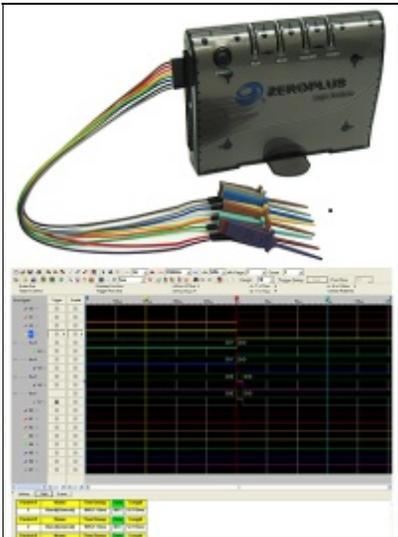
LAP16064

Logic Analyzer - 16 Channels, 64K

This PC-based Logic Analyzer has a patented waveform compression technology that can increase the effective memory capacity beyond the physical 4 Mbits. All 16 channels of the LAP-16064U can achieve a compression rate up to 255 depending on the data content, allowing you to obtain considerably more sampling data.

Connectivity to a PC is via the USB port; 480Mbps at USB 2.0 or 12Mbps at USB 1.1.
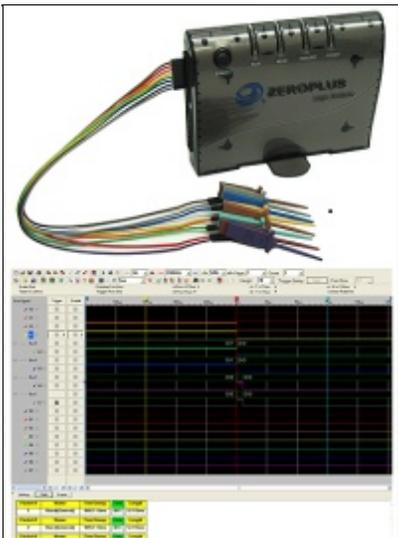
$ 209.00 Canadian Dollars More Info.......

LAP-16218U

PC-Based Logic Analyzer

This PC-based Logic Analyzer has a patented waveform compression technology that can increase the effective memory capacity beyond the physical 4 Mbits. All 16 channels of the LAP-16128U can achieve a compression rate up to 255 depending on the data content, allowing you to obtain considerably more sampling data.

Connectivity to a PC is via the USB port; 480Mbps at USB 2.0 or 12Mbps at USB 1.1.

$ 399.00 Canadian Dollars More Info.......

DSO-3100 $ 399.00 CDN
DSO3150 $ 499.00 CDN
DSO-3250 $ 699.00 CDN

PC Based Digital Storage Oscilloscope

DSO-3100 40MHz PC Based Digital Storage Oscilloscope
A compact Digital Storage Oscilloscope (DSO) that interfaces with your PC. Simply plug this portable unit into the USB port in your PC or laptop

and transform your computer into a fully functional dual trace 40MHz DSO

DSO-3150 60MHz PC Based A compact Digital Storage Oscilloscope (DSO) that interfaces with your PC. Simply plug this portable unit into the USB port in your PC or laptop and transform your computer into a fully functional dual trace 60MHz DSO.

DSO-3250 100MHz PC Based Digital Storage Oscilloscope A compact Digital Storage Oscilloscope (DSO) that interfaces with your PC. Simply plug this portable unit into the USB port in your PC or laptop and transform your computer into a fully functional dual trace 100MHz DSO.

Dual Trace - USB 2.0 Connectivity
Supports Windows2000/XP/Vista
100MS/s Sampling rate - External Trigger Input
Dimensions: 187 x 100 x 33mm
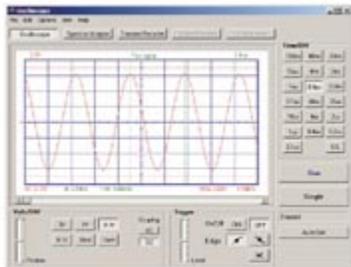One Year Warranty

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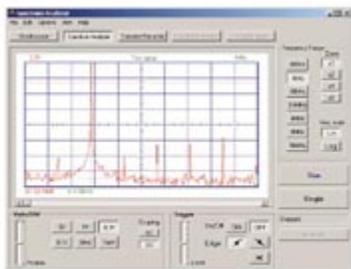### # PCS100AU Oscilloscope 12 MHZ

The PCS100 is a digital storage oscilloscope, using a computer and its monitor to display waveforms. All standard oscilloscope functions are available in the Windows program supplied. Its operation is just like a normal oscilloscope. Connection is through the computer's parallel port, the scope is completely optically isolated from the computer port.

Features

Comes with adapter : no
general : 1 channel
input impedance : 1Mohm / 30pF
frequency response : 0Hz to 12MHz (± 3dB)
step markers for voltage, time and frequency
vertical resolution : 8 bit
auto setup function
optically isolated from computer
record and display of screens & data
supply voltage : 9 - 10Vdc / 500mA
dimensions : 230 x 165 x 45mm (9" x 6.5" x 1.8")
weight : 400g (14oz)
minimum system requirements :
IBM compatible PC
Windows 95, 98, ME, (Win2000 or NT possible)
SVGA display card (min. 800x600)
mouse
free printer port LPT1, LPT2 or LPT3
CD Rom player
options :
insulated measurement probe x1 / x10 : PROBE60S
soft carry case : GIB
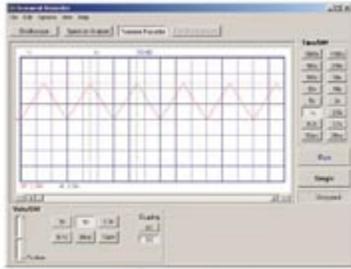non-regulated single voltage adapter AC input DC output 9VDC/850mA : PS908

Specifications

oscilloscope :

Oscilloscope

Spectrum Analyser

timebase : 0.1μs to 100ms per division
trigger source : CH1 or free run
trigger level : adjustable per ½ division
input sensitivity : 10mV to 3V per division
record length : 4079 samples
sampling frequency : 800Hz to 32MHz (Real time)
true RMS readout (only AC component)
transient recorder :
timescale : 20ms/div to 2000s/div
max record time : 9.4hour/screen
automatic storage of data
automatic recording for more than 1 year
markers for time and amplitude
zoom function
spectrum analyser :
frequency range : 0 .. 400Hz to 16MHz
linear or logarithmic timescale
zoom function

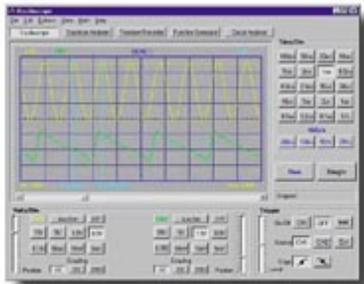**Transient Recorder**

$ 190.00 Canadian Dollars
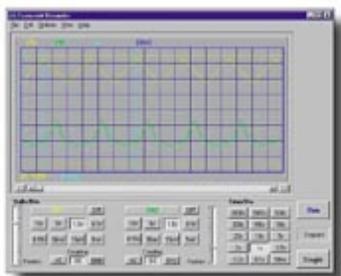
PCS500AU Oscilloscope 50 MHZ

The PCS500 is a 50 Mhz digital storage oscilloscope that uses a computer and its monitor to display waveforms. All standard oscilloscope functions are available through the supplied Windows program. Its operation is identical to that of normal oscilloscope apart from the fact that all operations can be performed with the mouse. Connection is through the computer's parallel port and the scope is completely optically isolated from the computer port. The oscilloscope and transient recorder have two completely separated channels with a sampling frequency up to 1GHz. Any waveform displayed on the screen can be stored for later use in documents or for the comparison of waveforms.
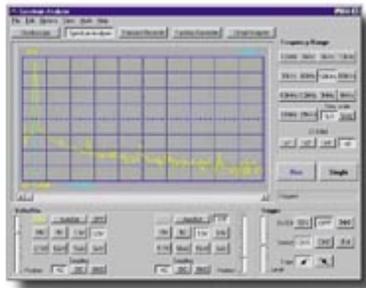
Features

comes with adapter : no
oscilloscope :
timebase : 20ns to 100ms per division
trigger source : CH1, CH2, EXT or free run
trigger edge : rising or falling
trigger level : adjustable in steps of 1/2 division
step interpolation : linear or smoothed
markers for : voltage and frequency
input sensitivity : 5mV to 15V / division with auto setup-function
pre-trigger function
true RMS read-out (only AC component)
recording length : 4096 samples / channel
sampling frequency :
real-time : 1.25KHz to 50MHz
repetitive : 1GHz
spectrum analyzer :
frequency range : 0...1.2KHz to 25MHz
linear or logarithmic time scale

Oscilloscope

Transient Recorder

Spectrum Analyser

contents

operating principle : FFT (Fast Fourier Transform)
FFT resolution : 2048 lines
FFT input channel : CH1 or CH2
zoom function
markers for amplitude and frequency
transient recorder :
time scale : 20ms/div to 2000s/div
max. recording time : 9.4hours/screen
automatic data storage
automatic recording for more than 1 year
max. number of samples : 100/s
min. number of samples : 1 sample / 20s
markers for time and amplitude
zoom function
recording and display of screens
data format : ASCII

$ 445.00 Canadian Dollars

HPS10 Oscilloscope 10 MHZ

The Velleman PersonalScope is not a graphical multimeter but a complete portable oscilloscope at the size and the cost of a good multimeter. Its high sensitivity - down to 5mV/div - and extended scope functions make this unit ideal for hobby, service, automotive and development purposes. Because of its extreme value for money, the PersonalScope is well suited for educational use in schools and colleges. Suitable for measurements on audio equipment, mains voltage applications, digital signals, all kind of sensors, signal analysis in automotive applications, car stereo, etc… His full auto setup function, makes measuring waveforms very easy.

Features

10MHz sampling rate
up to 2MHz analog bandwidth
5mV to 20V/div sensitivity in 12 steps
200ns to 1hour/div time base in 32 steps
full auto set up
trigger mode : run, normal, once, roll, slope +/-
X and Y position signal shift
DVM readout with x10 option
audio power calculation (rms and peak)
dBm, dBV, DC, rms ... measurements
signal markers for Volt and Time
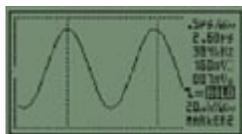frequency readout (through markers)
recorder function (roll mode)
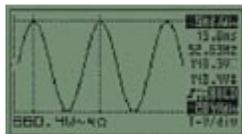signal storage (2 memories)
LCD : 128x64 pixels / high-contrast
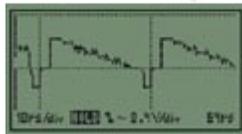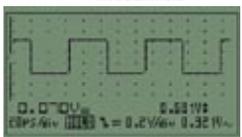up to 20h on alkaline batteries
optional :
practical holster : BAGHPS

normal screen

normal screen with large dvm

wide screen

wide screen with dvm

PS905 adapter 9V / 500mA

 # HPS10 $ 205.00 Canadian Dollars
 # HPS10SE $ 250.00 Canadian Dollars Special Edition

HPS40 PERSONAL SCOPE 40MHZ

The goal with the HPS40 was to develop a user-friendly, feature-packed and genuinely "hand-held" oscilloscope. A number of characteristics were on our wish list: low noise, high sensitivity, modest weight, a backlit LCD and a choice between regular batteries or rechargeable ones. Furthermore, the scope also offers a selection of 5 different screen layouts. Both novices and professional users will admire the fast and fully automatic setup function, allowing them to perform measurements without physically touching the unit! Floating measurements are completely safe thanks to the battery-powered operation and the (included) fully insulated measuring probe. These features make the HSP40 indispensable to the professional user, service centers and even to the hobbyist.

Features
40MHz sampling rate, 12MHz analog bandwidth
0.1mV sensitivity, 5mV to 20V/div in 12 steps
50ns to 1hour/div time base in 34 steps
full auto set up, adjustable trigger level
X and Y position signal shift
DVM readout
audio power calculation (rms and peak) in 2, 4, 8, 16 & 32 ohm
dBm, dBV, DC, rms ...measurements
signal markers for Volt and Time
frequency readout (through markers)
recorder function (roll mode)
signal storage (2 memories)
high resolution LCD 192x112 pixels, LCD backlight
optical isolated RS232 output for PC
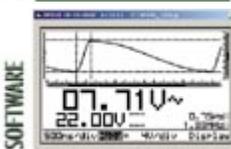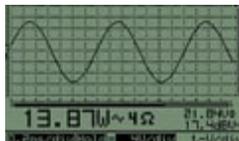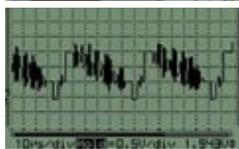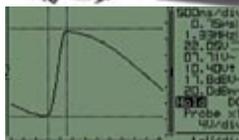
Contains :
HPS40 unit
user manual
flexible carry protection holster
insulated safety probe
RS232 connection lead (to DB9)
handy rigid carry case

$ 425.00
Canadian Dollars

OS-2030

The **OS-2030** is a two channel, analog oscilloscope with 30MHz bandwidth. This laboratory grade test instrument is useful for a wide range of electronic measurements and is ideal for troubleshooting audio, computer or video circuits.

30MHz Bandwidth
Dual Trace
Two 10x / 1x Switchable Probes
Single Sweep Timebase
Variable Holdoff
OS-2030 $ 525.00 Canadian Dollars

OS-2100

The **OS-2100** is a two channel, analog oscilloscope with 100mhz bandwidth and built-in Delayed Sweep. With the extended bandwidth, it is now possible to have quality and reliability at a price you can afford. Ideal for audio/video, computer and electronics servicing.

$ 1249.00 Canadian Dollars

DSO-520

A compact Digital Storage Oscilloscope that interfaces with your PC. Simply plug this portable unit into the USB port in your PC or laptop and transform your computer into a fully functional Dual trace 5MHz DSO.
Optional accessories: Oscilloscope Probe OP-60 / OP-60A.
5 MHz Bandwidth
USB Connectivity (No other power required)
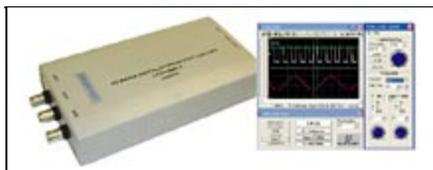Compact 190 x 100 x 40mm
Supports Windows98/Me/NT/2000/XP
20MS/s Sampling rate
External Trigger Input
$ 249.00 Canadian Dollars

Go To Top of Page

Prices are subject to change without notice.