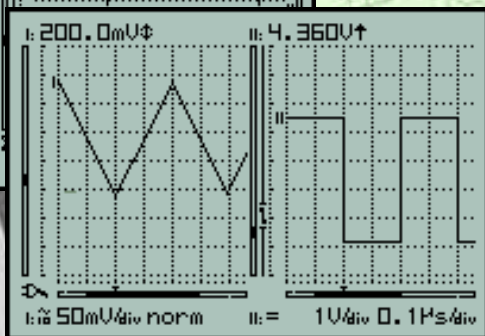
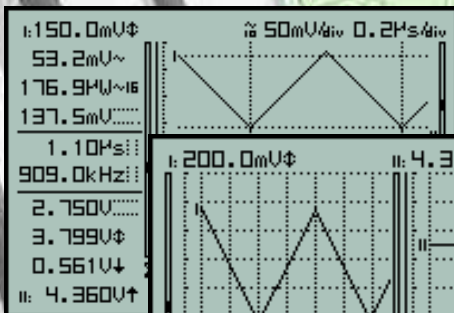


# APS230

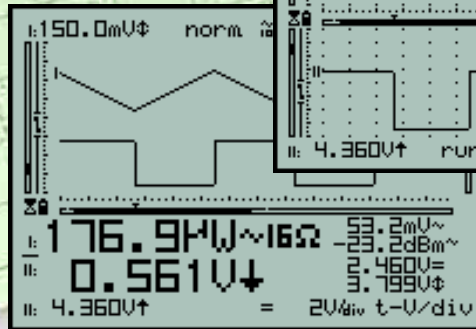
## Advanced Personal Scope



**2x 240MS/s**



**StereoScope mode**



### Features

- Two input channels
- High contrast LCD with **white Backlight**
- Full auto set up for volt/div and time/div
- Recorder **roll mode**, up to 25h per screen
- Trigger mode: run - normal - once - roll..
- Adjustable trigger level and slope
- Peak measurements: Max, min. and pk to pk
- Measurements: rms, dB(rel), dBV and dBm
- Direct Audio** power measurements
- x1 and x10 probe calculation option
- Several display modes
- StereoScope** mode for audio measurement
- X and Y position shift
- Firmware upgradable through internet
- More features to come** (check web site)

### General specifications

- 2 Channels
- input impedance : 1 Mohm / 20pF
- Bandwith 2 x **30MHz**
- Sampling **240MS/s per channel**
- step markers for voltage, time...
- vertical resolution: 8 bit
- Sensitivity down to **30 $\mu$ V**
- Volts per division down to **1mV**
- Time base from 10ns to 1 hr/div
- AC/DC input coupling selection
- Full Auto Setup function
- RS232 communication with Pc
- dimensions: 230x150x50mm
- weight: 830g incl. battery

# APS230

## Advanced Personal Scope

### SPECIFICATIONS:

Maximum sample rate	<b>2x 240MS/s for repetitive signals</b> ( 2x 60MS/s for single shot events)
Maximum input amplifier bandwidth	<b>30MHz per channel</b> (except 1mV and 2mV boost range)
Input impedance	1Mohm // 20pF (standard oscilloscope probe)
Maximum input voltage	100Vpeak (AC + DC), 200Vpeak-peak (AC only)
Input coupling	DC, AC and GND (GND for auto zero reference)
Vertical resolution	8 bit $\pm$ 1bit linearity
Trigger modes	Run, Normal, Once, Roll mode for 10s/div and slower timebase
Trigger level	Adjustable with positive or negative slope selection
LCD Graphics	128 x 192 pixels with WHITE LED backlight
Signal storage	256 samples per channel, 2047 in roll mode
dBm measurement (0dBm= 0.775V)	From -80dB tot +40dB (up to 60dB with X10 probe) $\pm$ 0.5dB accuracy
dBV measurements (0dBV= 1V)	From -78dB tot +38dB (up to 58dB with X10 probe) $\pm$ 0.5dB accuracy
True-rms measurement	From <b>0.03mV</b> to 80V (up to 400Vrms with X10 probe) 2.5% accuracy
Timebase range in 35 steps	<b>25ns</b> to 1hour/division
Input sensitivity range in 14 steps	<b>1mV</b> to 20V/division at X1 - 10mV to 200V/div at X10
Probe calibration output	1,2KHz / 3Vpp
Supply voltage	9VDC/ min 500mA regulated adapter
Batteries	6V / 1800mA battery pack NiMH rechargeable
Charge current for rechargeable batteries	400mA fast charge
Battery current (average)	On: 350mA, with backlight: 400mA, standby current: < 100 $\mu$ A
Operating temperature	0 to 50°C (32 to 122°F)
Fysical characteristics	Dim: 230x150x50mm (9x5.9x1.97") Weight: 830g incl. Batteries
Interface to PC	Internal optical isolated RS232, 57600bd for screen and data load/set
Firmware	Upgradable through internet
Protection	IEC1010, 600V CATII, pollution degree 1 (IP40)

### Package includes:

- APS230 unit
- RS232 cable (9 pole sub D)
- 2 Insulated 60MHz X10 measuring probes
- User manual
- Adaptor (110Vac 60Hz / 230Vac 50Hz)
- Battery pack

### Options:

- Extra battery pack: BPAPS230
- Soft bag: GIB

