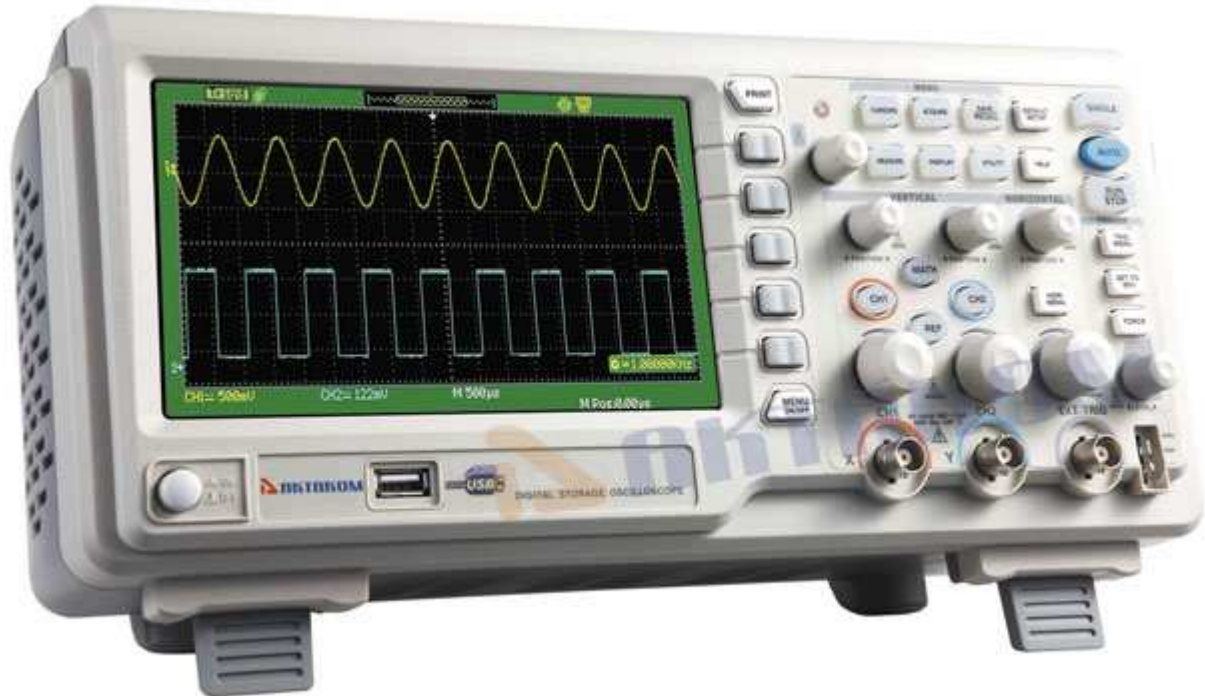


## ADS-2022 Oscilloscope 25MHz 500MSa/s Dual channels+external trigger



AKTAKOM ADS-2022 Digital oscilloscopes with Unique 7" wide-screen Color TFT LCD display have high real-time sampling rate up to 500MSa/s. High functionality of these oscilloscopes allows a wide range of tasks such as production process as well as design and maintenance.

Dual channels + external trigger; Bandwidth: 25 MHz; Max. Sample rate: 500 MSa/s (250 MSa/s each channel); Max. Memory Depth: 40 kpts for single channel (20 kpts double channel); Waveform math: +, -, ×, Inverted; Trigger types: Edge, Video, Pulse, Slope, Alternate; 32 types Automatic measurement; 7" 480x234 64K color TFT LCD display; USB device, USB host, RS-232, Pass/Fail; Power Supply 110 -220 V; Dimensions (WxHxD): 15.7x4.3x5.8 in / 399x110.5x148.5 mm; Weight: 5.3 lb / 2.4 kg.

### Features

- Unique 7" wide-screen Color TFT LCD display
- 40 kpts Max Memory depth
- Abundant trigger function
- 32 parameters Auto measure function
- Max recording length: 6Mpts
- The longest single recording time: 33.3 h
- User interface in 12 languages
- 6-digit Hardware Frequency Counter
- Support Pass/Fail function
- PictBridge Function
- Powerful Easyscope Software for PC
- Power Supply 110 -220 V

## Specifications:

- Powerful Easyscope Software for PCChannels: Dual channels + external trigger
- Analog Bandwidth: 25 MHz
- Real-time Sample rate: Max. 500 MSa/s (250 MSa each channel)
- Equivalent Sample rate: 50 GSa/s
- Max Memory Depth: 2 Mpts for single channel (1 Mpts double channel)
- Acquisition: Normal, Average (4...256), Peak Detect (10 ns)
- Input coupling: DC, AC, GND
- Max. input voltage: 400Vpk (DC+AC, 1M $\Omega$ )
- Input impedance: 1M $\Omega$  $\pm$ 2%||17pF $\pm$ 3pF
- Interpolation: Sin x/x, Linear
- Horizontal Scale(S/div): 10 ns/div ~ 50 s/div
- Rise time:  $\leq$ 8,8ns
- Vertical sensitivity: 2mV/div~10V/div (at BNC input)
- Vertical Resolution: 8 bit
- DC Gain Accuracy:  $\pm$ 4% (2mV/div),  $\pm$ 3% (5mV/div~5V/div)
- Waveform math: +, -,  $\times$ , Inverted
- FFT: 4 windows (Rectangle, Hanning, Hamming, Blackman). Sampling points: 1024
- Automatic measurement: 32 types: Vpp, Vmax, Vmin, Vamp, Vtop, Vbase, Vavg, Mean, Crms, Vrms, ROVShoot, FOVShoot, RPRESshoot, FPRESshoot, Rise time, Fall time, Freq, Period, +Wid, -Wid, +Dut, -Dut, Bwid, Phase, FRR, FRF, FFR, FFF,LRR,LRF, LFR, LFF
- Cursor measurement: Manual mode, Track mode and Auto mode
- Save/Recall: Support 2 Group referenced Waveforms, 20 Group setups, 20 Group captured Waveforms internal, Storage/Recall function and USB flash driver storage function
- Trigger mode: Auto, Normal, Single
- Trigger type: Edge, Video, Pulse, Slope, Alternate
- Trigger sources: CH1, CH2, EXT, EXT/5, AC Line
- Trigger Coupling: AC, DC, LFrej, HFrej
- Trigger Level Range: CH1, CH2:  $\pm$ 6 divisions from center of screen EXT:  $\pm$ 1.2V, EXT/5:  $\pm$ 6V
- Recorder: 6 M
- Waveform Record: Max 1500 frames
- Interface: USB device, USB host, RS-232, Pass/Fail
- Display Type: 7" color TFT LCD, 480x234 pixels, 64K colors
- Wave display range: 8 x 18 div
- Power Supply: 100 - 240 VAC, CAT II; 45 Hz to 440 Hz; 50 VA Max
- Dimension: 15.7 x 4.3 x 5.8 in / 399 x 110.5 x 148.5 mm
- Weight: 5.3 lb / 2.4 kg

