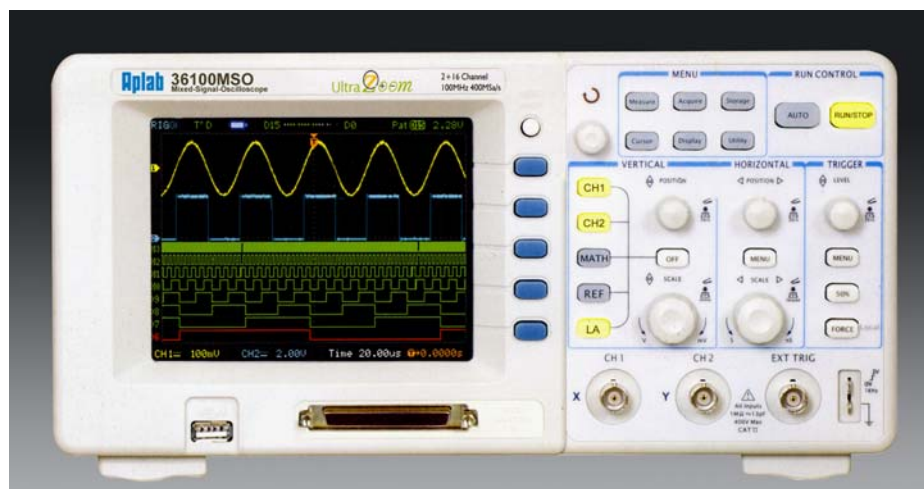


Aplab

36000MSO Series

25MHz to 100MHz Mixed-Signal-Oscilloscope (DSO with 2+16 Channel Logic Analyzer)



New Mixed-Signal-Oscilloscope Series 36000MSO (DSO with Logic Analyzer) from Aplab is a high performance desktop 2 Channel Color DSO with 16 channel Logic Analyzer, Bandwidths from 25MHz to 100MHz , 400 MSa/s sampling speed, and Equivalent sampling at 25 GSa/s. A color TFT LCD is used for bright clear display. It has a large overall Memory depth of 1M points. It has all the features normally a DSO has. It comes with an Active Logic Probe, Logic Analyzer Connector Cable and Logic Clips for easy diagnosis of the faults. It is provided with interfaces such as USB Host, USB Device, RS232, and Isolated P/F out. Normal storage of BMP, CSV, waveforms & setups is provided from USB Interface. All these features make this MSO a truly useful tool in fault diagnosis. Logic Analyzer provides a break through in digital system analysis tools which enable digital Hardware and Software designers to capture and analyze the source of elusive problems that affect the product development schedules.

Features

- Mixed Signal Oscilloscope (MSO).
- Easy to Read Color TFT LCD, 320 x 234 Display.
- Dual Channel Bandwidth : 25MHz to 100MHz per Channel.
- Real Time Sampling 400MSa/s, Equivalent Sampling 25 GSa/s.
- 16 Channel Active Logic Head.
- Advanced Triggering on Edge, Video, Pulse Pattern and Duration.
- Storage of 10 Waveforms and Setups.
- Memory Depth 1M points per Channel (Ch1 or CH2).
- Cursor Measurements - Auto measure, Trace or Manual.
- Math (+, -, x, FFT), Frequency Counter.
- USB Device Interface, USB Host Supporting USB Flash or Printer, RS232 and P/F out (isolated) Interface.
- Trigger Hold Off.
- Built-in Help System.
- Adjustable Waveform Intensity, Trigger Sensitivity.
- Ultrazoom.
- Exclusive Feature : Digital Filters, Waveform Recorder (1000 frames), Pass / Fail Test, Roll mode etc.

Technical Specifications

MODELS		36100MSO	36060MSO	36040MSO	36020MSO
Bandwidth		100MHz	60MHz	40MHz	25MHz
Memory Depth		1M points on one channel (CH1 or CH2), 512K points (Logic Analyzer).			
Number of Channels		2CH + Ext. Trig.+ 16 Logic Analyzer).			
Realtime Sample Rate		400MSa/s Scope, 200MSa/s (Logic Analyzer).			
Equivalent Sample Rate		25GSa/s.			
Rise Time		3.5ns	5.8ns	8.7ns	14ns
Timebase Range		5ns ~ 50s		10ns ~ 50s	20ns ~ 50s
X-Y Operation	Bandwidth	100MHz	60MHz	40MHz	25MHz
	Phase Difference	3 degrees			
Maximum Input Voltage (Logic Analyzer)		40V(DC + AC peak)			
Predefined Thresholds		TTL = 1.4V, CMOS = 2.5V, ECL = -1.3V, USER = -8.0V ~ +8.0V.			
Trigger Modes		Edge, Pulse, Slope, Video, Alternate, Pattern and Duration.			
Trigger Sources		CH1, CH2, Ext. Ex/5, AC Line, D0 ~ D15.			
Accessories		Probe x2 (1x, 10x Switchable), Active Logic Head, Logic Clip20, Power Cord, User manual.			
Input Impedance		1 Mohm, approx.13pF.			
Vertical Sensitivity		2mV/div ~ 5V/div.			
Vertical Resolution		8 bits.			
Input Coupling		DC, AC or GND.			
Maximum Input Voltage		400V (DC+AC peak).			
Roll Range		500ms/div. ~ 50s/div.			
Auto Measure		Vpp, Vmax, Vmin, Vtop, Vbase, Vamp, Vrms, Vavg, Vover, Vpre, Freq, Period, Rise, Fall, +Width, -Width, +Duty, - Duty, DelayA, DelayB.			
Cursor Measure		Manual, Trace, Auto measure.			
Math		+, -, x, FFT.			
Storage		Internal : 10 waveforms and setups USB : BMP, CSV, Waveforms, Setups.			
I/O		USB device, USB Host, RS232, P/F Out (Isolated).			
Display		TFT (64K, Color LCD), 320 x 234.			
Power		Worldwide Use, 100 ~ 240V/50W max.			
Net Weight		2.3 Kg.			
Dimensions		303 (W) x 154 (D) x 133 (H) mm.			

WE PURSUE A POLICY OF CONTINUOUS DEVELOPMENT AND PRODUCT IMPROVEMENT. THUS THE SPECIFICATIONS IN THIS DOCUMENT AND THE LOCATION OF CONTROLS ON THE FRONT PANEL MAY BE CHANGED WITHOUT NOTICE.

Aplab Test & Measurement Instruments

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