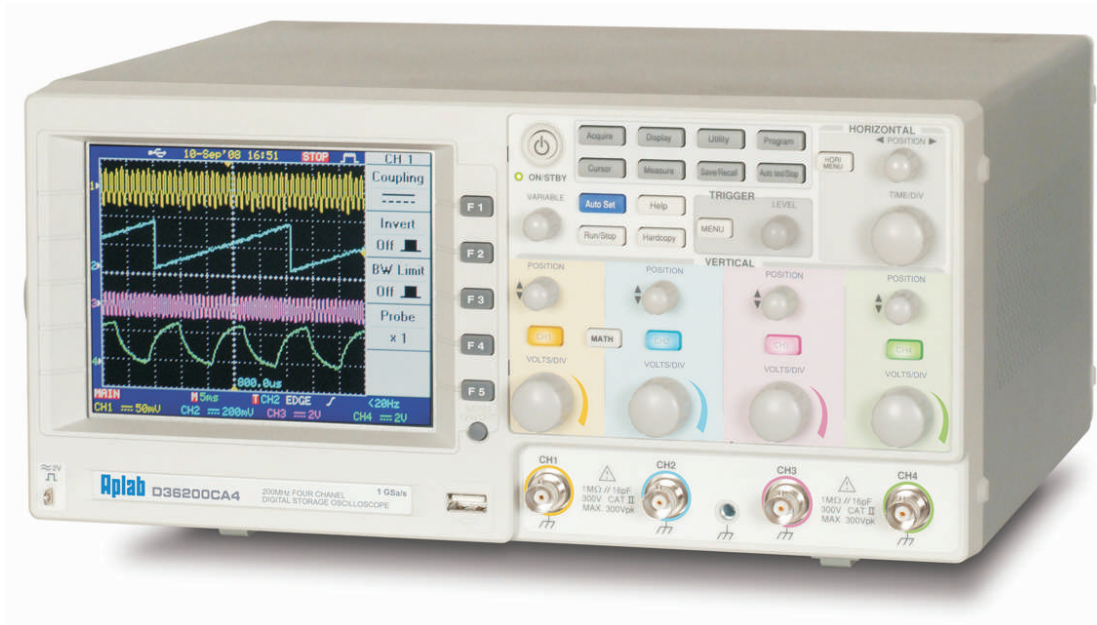


## 4 Channel Color Digital Storage Oscilloscope



### FEATURES

- 200MHz / 100MHz / 60MHz Bandwidth on all Four Channels
- 1GS/S Real Time and 25GS/s Equivalent Time Sampling
- 25K Points Memory Length
- Large 5.6" TFT Colour LCD Display for Comfortable view of Signals
- USB Host / Device Interface
- USB Printer and Flash Drive Support
- RS-232 Interface
- Battery Operation (Optional)
- Auto Set for Comfortable View of Unknown Signal
- Save Setup for 20 Measurement Setup and 24 Sets of Waveform
- Sweep Time 1ns to 10sec/div

"Aplab D36000CA4 Series is Four channel colour Digital Storage Oscilloscope comes along with All-In-One design, including 1GSa/s real-time sampling rate, 25k record length, TFT color LCD display, USB support on flash drive storage, color printout, and remote control, Battery power operation and all the powerful Auto-Measurement functions. The D36000CA4 Series, carrying bandwidths of 200MHz, 100MHz and 60MHz and inputs 4 channels, makes up a complete family of DSO in total. The combination of 1GSa/s real-time sampling rate (25GSa/s for ET sampling) and 25k points record length of D36000CA4 Series provides the highest value platform among all equivalent products available in the market today. The 27 Auto Measurement functions, FFT measurement, Advanced Triggering, 12 Division Horizontal Display, Time Clock, Frequency Counter, Go/NoGo, On-Line Help, and Setup Sequence are all standard features of D36000CA4 Series. The USB mass storage and programmability, the RS-232C and USB interface included as standard features, and the battery power operation (optional) available for field applications all together make D36000CA4 Series a new standard for the main stream DSO market."

## Technical Specification

Parameters	D36200CA4 Colour Display	D36100CA4 Colour Display	D36060CA4 Colour Display
<b>Vertical</b>			
Bandwidth	200MHz	100MHz	60MHz
Sampling Rate	1GS/s.		
Equivalent Sampling	25GS/s.		
No of Channels	Four.		
Memory	25K points.		
Vertical Sensitivity	2mV to 5V/div.		
Vertical Resolution	8 bits.		
Rise Time	1.75ns	3.5ns	5.8ns
Vertical Accuracy	±3%.		
Bandwidth LIMIT	20MHz.		
Input Impedance	1M $\Omega$ parallel to 16pF and 50 $\Omega$ .		
Max. Input voltage	300V (DC+ ac peak).		
Input Coupling	ac / dc / gnd.		
Polarity	Normal and Invert.		
<b>Horizontal</b>			
Time base Range	1ns to 10s/div (Roll Mode 250ms to 10s/div).		
Horizontal Accuracy	±0.01%.		
Horizontal Modes	Main, Window, Window Zoom, Roll, Scan, X-Y.		
Horizontal Zoom	Horizontal expand or zoom of live or stored waveform.		
<b>Trigger</b>			
Trigger Source	CH1, CH2, CH3, CH4, LINE.		
Trigger Mode	Auto-Level, Auto, Norm, Single.		
Trigger coupling	ac / dc / LF rej / HF rej / Noise Rej.		
Trigger Type	Edge, video, pulse, delay, event delay.		
Trigger Sensitivity	DC-25MHz Int:0.5Div and ext:5mV and above 25MHz Int:1.0div and ext. 10mV.		
Pre-Trigger	20 div Max.		
Post-Trigger	1000 div.		
Max. Input voltage to trigger Input	300V (DC+ ac peak).		
<b>Digital Features</b>			
Auto measure	V <sub>pp</sub> , V <sub>max</sub> , V <sub>min</sub> , V <sub>top</sub> , V <sub>base</sub> , V <sub>avg</sub> , Freq., Rise Time, Fall time, Period, $\pm$ Width, $\pm$ overshoot, $\pm$ duty etc.		
Cursor Measure	Manual ( $\Delta V$ , $\Delta T$ & $\Delta 1/T$ ), track and automatic.		
Resolution and Accuracy	6 digit resolution and accuracy $\pm 2\%$ .		
Math Function	Add, subtract, Multiply, divide, FFT.		
FFT	YES.		
Interpolation	Sin x/x.		
Storage Type	10 waveforms group, set up 10.		
Acquisition Modes	Normal, Avg, Peak Detect.		
XY operation Bandwidth	60MHz on X and Y channel.		
XY operation Phase Difference	$\pm 3^\circ$ .		
Interface	USB, RS232, USB Flash Drive for Storage and GPIB (Optional).		
Automatic sequence & Go No go	YES.		
Direct Printing	Direct printer facility available with listed printers.		
<b>GENERAL</b>			
Display	5.6" - 234 (Vertical) x 320 (Horizontal) Dots.		
Display Types	TFT LCD Type.		
Display Graticule	8 x 10 div with Menu and 8 x 12 with Menu switched Off.		
Display brightness	Adjustable.		
Power	100-240V max 50VA. Battery 11.1V Optional Li Ion type.		
Weight	4.3 Kg.		
Size	300 x 145 x 312 mm.		
Environmental Requirement	Operation 10°C to 40°C, Storage -20°C to 60°C.		
Standard Accessories	1:10 probe, Power cable, User manual, Software CD, USB device cable.		
Optional Accessories	RS232 cable.		
Other Features	3 Yrs warranty, 27 measurements.		

## Aplab Test & Measurement Instruments Division

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