



## Digital Storage Oscilloscope



Model		ALP1202CA	ALP1152CA	ALP1102CA	ALP1062CA	ALP1042CA
Bandwidth		200 MHz	150 MHz	100 MHz	60 MHz	40 MHz
Real time Sample Rate		1GS/S				
Equivalent Sample Rate		50GS/S				
Input Impedance		1M $\Omega$ //13pF 50 $\Omega$				
Rise Time		1.8 ns	2.3 ns	3.5 ns	5.8 ns	8.8 ns
Time base Range		1ns/div-50s/div	2ns/div-50s/div		5ns/div-50s/div	
X-Y Operation	Bandwidth	200 MHz	150 MHz	100 MHz	60 MHz	40 MHz
	PhaseDHerence	±3degrees				
Display		Color LCD(C) / Mono LCD(M) 320x240				

Model		ALP1152C	ALP1102C	ALP1062C	ALP1042C	ALP1022C
Bandwidth		150 MHz	100 MHz	60 MHz	40 MHz	25 MHz
Real time Sample Rate		500MS/S				
Equivalent Sample Rate		50GS/S				
Input Impedance		1M $\Omega$ //13pF 50 $\Omega$				
Rise Time		2.3 ns	3.5 ns	5.8 ns	8.8 ns	14ns
Time base Range		2ns/div-50s/div		5ns/div-50s/div		20ns/div-50ns
X-Y Operation	Bandwidth	150 MHz	100 MHz	60 MHz	40 MHz	25 MHz
	PhaseDHerence	±3degrees				
Display		Color LCD(C) / Mono LCD(M) 320x240				

Common Specifications	
Number of Channel	s2CH;Ext.Trig
Memory	4K per channel
Vertical Sensitivity	2mv/div-5v/div
Vertical Resolution	8bits
Input Coupling	DC.AC.GND



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Trigger Mode	Auto.Normal.Single	
Trigger Type	Edge.TV.Pulse	
Trigger Coupling	DC.AC.LF Rej.HF Rej	
Horizontal Accuracy	±0.01%	
Math	+、-、×、÷、FFT	
FFT	Window	Hanning.Hamming.Blackman.Rectangular
	Sample	1024Points
Auto Measurement	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	
Storage	10Wave forms.10 setups	
I/O	USB device	
Power	100V-240V/50VA Max	
Weight	4kg	
Dimensions	120(D)x285(W)x158(H) mm	
Accessories	Probe x 2(1x.10x). Power Cord. User manual	

## Power Supply



Model	ALP1735
Output Voltage	0~30V continuously adjustable.
Output Current	0~3A adjustable.
Functions	Output with steady current or Voltage
	Output Swith off and ON/OFF functio
	Overload protection
Display	Two 3 digits LED meters.



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Line Regulation	$CV \leq 0.01\% + 3mV$ $CC \leq 0.2\% + 3mA$
Load Regulation	$CV 0.01\% + 3mV$ $CC \leq 0.2\% + 3mA$
Ripple & Noise	$CV \leq 1mVrms$ $CC \leq 1mArms$
Dimensions	260(L)×150(W)×145(H) mm



Common Specifications	
Output Voltage	0~30V, 0~30V, 2.2~5.2V
Output Current	0~3A, 0~3A, 0~1A
Functions	CH1,CH2 Output with Independent, series, parallel, Tracking modes.
	CH1,CH2 Output with steady Current and voltage
	Output switch off and ON/OFF function
	Overload protection.
Display	Two 3 digits LED meters.
Line Regulation	$CV \leq 0.01\% + 3mV$ $CC \leq 0.2\% + 3mA$
Load Regulation	$CV 0.01\% + 3mV$ $CC \leq 0.2\% + 3mA$
Ripple & Noise	$CV \leq 1mVrms$ $CC \leq 1mArms$
Dimensions	260(L)×245(W)×145(H) mm

Model	Output Voltage	Output Current	Output Power
ALP2732	0~30V	0~2A	60W
ALP2733	0~30V	0~3	90W
ALP2735	0~30V	0~5	150W
ALP2733S	0~30V/0~3A, 0~30V/0~3A, 2.2~5.2V/0~1A		185W
ALP2733D	0~30V/0~3A, 0~30V/0~3A, 5V/3A		195W
ALP2735D	0~30V/0~5A, 0~30V/0~5A, 5V/3A		315W



## DC Regulated Power Supply



Model	Output Voltage	Output Current	Output Power
ALP1820	0~18V	0~20A	360W
ALP3030	0~30V	0~30A	900W
ALP5020	0~50V	0~20A	1000W
ALP5030	0~50V	0~30A	1500W
ALP6030	0~60V	0~30A	1800W
ALP6050	0~60V	0~50A	3000W
ALP8050	0~80V	0~50A	4000W

## Function Generator



Model	ALP1642 (ALP1642P)	ALP1640 (ALP1640P)	ALP1641 (ALP1641P)
Frequency Range	0.1Hz ~ 3MHz (8SEC)	0.2Hz ~ 20MHz	0.2Hz ~ 2MHz
Output Waveform	Function Output TTL/CMOS Output	Sine, square / triangle symmetrical or unsymmetrical Pulse wave (CMOS output $f \leq 100\text{kHz}$ )	
Sine Wave Distortion	$\leq 1\%$		



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Triangle Wave Linearity	>99%(output rang: 10%~90%)	
Pulse Wave Raise Time	≤30ns	
Pulse Wave Raise Over Impulse	≤5%	
Output Impedance	Function Signal Output	50Ω
	TTL/CMOS Signal	600Ω
External Input Frequency Characteristic	Impedance	About 500K
	Signal Range	0V~+3V
	Signal Cycle	10ms~5s
Signal Style	Single frequency, sweep frequency, frequency modulation(controlled)	
Symmetry Degree Range	20%~80%,"off"will output symmetry waveform, error≤2%	
DC Bias	Continually adjustable-10V-10V±10% (1MΩ overload), -5V~+5V±10%(50Ω overload), "off" will output DC Level <±0.1V	
TTL Output(load impedance≥600 Ω)	"0"level	0.8V
	"1"level	≥3V
CMOS Output(load impedance≥2 K Ω)	"0"level:≤0.8V "1"level:5V-15V continually adjustable	
Voltage Output(1M loadResistance)	Without attenuation: (1.0Vpp~20Vpp)±10% (adjustable) Attenuation 20dB: (100mVpp~2Vpp) ±10% (adjustable) Attenuation 40dB: (10mVpp~200mVpp)±10% (adjustable) Attenuation 60dB: (1.0mVpp~20mVpp)±10% (adjustable)	
Range Display	Unit	Vpp or mVpp
	Error	Vo ±20% ±1 character (Vo: the peak value of output signal) Load resistance is 50Ω, Vo reading *1/2
	Differentiation Rate	0.1Vpp(no attenuation), 10mVpp(attenuation 20dB), 1mVpp(attenuation 40dB), 0.1mVpp(attenuation 60dB)
Power Output Frequency	0.1Hz~100KHz	
The Max. Power Output Voltage	50VP-P	
The Max. Power Output Current	1AP-P	
Power Output Current Overload	Overload indication	
Time Base Nominal Frequency	24MHz	
Power Voltage	AC 220V±10%	
Power Frequency	50Hz±2Hz	
Dimension	L×B×H: 280×210×85 mm	
Weight	2.5kg	



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## LCR Meter



Model	ALP2812	ALP2811C
Test Parameter	L,C,R,Q,D	L,C,R,Q,D
Test Frequency	100Hz,120Hz,1KHz	100Hz,1KHz,10KHz
Test Range	L:0.1 $\mu$ H - 9999H	L:0.01 $\mu$ H - 9999H
	C:0.1pF - 19999 $\mu$ F	C:0.01pF - 19999 $\mu$ F
	R:0.1M $\Omega$ - 99.99M $\Omega$	R:0.1M $\Omega$ - 99.99M $\Omega$
	Q:0.01 - 999 D:0.01% - 999%	Q:0.01 - 999 D:0.01% - 999%
Accuracy	L,C,R:0.25% Q:0.25% D:0.1%	L,C,R:0.2% Q:0.2% D:0.1%
Test Voltage	0.3Vrms	0.3Vrms
Dimension	330(W) $\times$ 100(H) $\times$ 310(L) mm	330(W) $\times$ 100(H) $\times$ 310(L) mm
Weight	5kg	5kg
Input Power Source	AC:220V $\pm$ 10%, 50Hz $\pm$ 2Hz	



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