

Appendix A: Specifications

Specifications Table:

Input	
Max. sample rate	200MS/s (Single Channel) 100MS/s (Dual Channels)
Channels	4 Channels
Bandwidth	60MHz (-3dB)
Vertical resolution	8 bits/channel
Gain range	10mV ~ 5V/div @ x1 probe(10mV, 20mV, 50mV, 100mV, 200mV, 500mV, 1V, 2V, 5V/div1,2,5 sequence) 100mV ~ 50V/div @ x10 probe 1V ~ 500V/div @ x100 probe 10V ~ 5KV/div @ x1000 probe
Range	8 divisions
Offset level	+/-4 divisions
Coupling	AC, DC,GND
Offset increments	0.02 div
Impedance	1M ohm
DC accuracy	+/-3%
Input protection	35Vpk (DC + peak AC < 10 kHz, without external attenuation)
Display Mode	Y-T, X-Y
Timebase	
Timebase range	5ns/div ~ 1000s/div(1-2-5 sequence)
Acquisition mode	Realtime sampling: 5ns /div ~ 200ms/div. Roll mode: 500ms/div ~ 1000s/div
Range	10 divisions
Buffer Size	10K ~ 16M points (Single Channel)
Trigger	
Type	Edge trigger, Pulse trigger
Mode	Auto, Normal and Single
Autoset	Yes
Range	10 divisions

Trigger level	+/-4 divisions
Settability	0.02 div increments
Math	
Measurements	Vpp, Vmax, Vmin, Vmean, Vrms, Vamp, Vtop, Vbase, Vmid, positive overshoot, negative overshoot, cycle mean, cycle RMS, period, frequency, positive pulse width, negative pulse width, rise time (10%~90%), fall time (10%~90%), positive duty cycle, negative duty cycle
Math	Addition, Subtraction, Multiplication, FFT
FFT	Rectangular, Hanning, Hamming, Blackman Window
Physical	
Interface	USB2.0 (USB1.1 compatible)
Power	External power source required.(8.5v DC)
Dimensions	224 x168 x 37(mm)