VDS2000 Series PC Oscilloscopes
Technical Specifications

Main Part

Bandwidth	25 MHz		
Vertical Resolution (A/D)	8 bits		
Sampling Rate	VDS2252 VDS2252I	2-CH working 1-CH working	100 MSa/s
	VDS2254 VDS2254I	4-CH working 2-CH working 1-CH working	
Rise Time	≤ 14 ns		
Horizontal Scale (s/div)	5ns/div - 1000s/div, step by 1 - 2 - 5		
Sampling Mode	sample, peak detect, average		
Channel Number	VDS2252 VDS2252I	2	
	VDS2254 VDS2254I	4	
Record Length	1M		
Input Coupling	DC, AC, ground		
Input Impedance	1 MΩ ± 2%, in parallel with 12 pF ± 5 pF		
Max Input Voltage	VDS2252 VDS2254	40 V (DC + AC Peak)	
	VDS2254 VDS2254I	400 V (DC + AC Peak)	
Channel Isolation	100 : 1 @ 50Hz; 40 : 1 @ 10MHz		
DC Gain Accuracy	± 3%		
Vertical Sensitivity	2 mV/div - 10 V/div, step by 1 - 2 - 5		
Vertical Displacement	VDS2252 VDS2254	± 2V (2 mV/div – 200 mV/div) ± 40V (500 mV/div – 10 V /div)	
	VDS2254 VDS2254I	± 2V (2 mV/div – 200 mV/div) ± 100V (500 mV/div – 10 V /div)	
Trigger Type	edge, video, slope, pulse		
Trigger Mode	auto, normal, single		
Line/Field Frequency (in video trigger)	supported standards: NTSC, PAL and SECAM broadcast systems		

Automatic Measurement	Vpp, Vmax, Vmin, Vtop, Vbase, Vamp, Vavg, Vrms, Overshoot, Preshoot, Frequency, Period, Rise Time, Fall Time, Delay A→B 卐, Delay A→B 卍, +Width, -Width, +Duty, -Duty

Trigger Part

Trigger Level Range	Internal	±5 divisions from the screen center
	EXT	TTL
Trigger Level Accuracy (typical) (working for signal with rise time / fall time ≥ 20ns)	Internal	±0.3 division

General Part

Isolation	VDS2252 VDS2254	no isolation
	VDS2252I VDS2254I	communication Interface Isolation, power Interface Isolation
Communication Interface	VDS2252 VDS2254	USB device (type-C)
	VDS2252I VDS2254I	USB device (type-C), LAN
Power Source	DC 5 V	
Power Consumption	VDS2252 VDS2252I	≤ 5 W
	VDS2254	≤ 6 W
	VDS2254I	≤ 8 W
Device Dimension	w/h/d: 190 x 18 x 120 mm	
Weight	Approx. 0.38 kg	

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