

SDS5032E - Features and Benefits



- 30 MHz Bandwidth, 500MSa/s Real-time Sample Rate
- High-resolution TFT color display, 800×600 pixels, 65535 colors
- Saving of measured values and graphics directly onto the USB-stick
- VGA-output port for external monitor(optional)
- Autoset and autoscale function for easy operation
- LAN connection for remote acces via network
- Internal memory of 10 million points per channel or 15 waveforms
- 20 automatic measurement modes and FFT function
- PASS/FAIL function

Specifications	Model	SDS5032E
	Bandwidth	30MHz
	Sample rate(Real time)	500MS/s
	Horizontal Scale(S/div)	4ns/div~100s/div ,step by 1~2~4
	Rise time (at input, typical)	≤11ns
	Channels	2 + 1 (External)
	Display	8" color LCD, TFT display , 800×600 pixels, 65535 colors
	Record length	10K
	Input impedance	1MΩ±2% , in parallel with 15pF±5pF
	channels Isolation	50Hz : 100 : 1 , 10MHz : 40 : 1
	Max.input voltage	400V(PK-PK) (DC+AC PK-PK)
	DC gain accuracy	±3%
	DC accuracy(Average)	Average≥16:±(3% reading+0.05div) for ΔV
	Probe attenuation factor	1X, 10X, 100X, 1000X
	LF respond(AC,-3dB)	≥10Hz(at input,AC coupling,-3dB)
	Sample rate/relay time accuracy	±100ppm
	Interpolation	(sinx) / x
	Interval(ΔT) accuracy	Single: ±(1 interval time+100ppm×reading+0.6ns) Average>16:±(1 interval time+100ppm×reading+0.4ns)
	Input coupling	DC, AC , GND
	Vertical resolution(A/D)	8 bits resolution (2 Channels simultaneously)
	Vertical sensitivity	5mV/div~10V/div(at input)
	Trigger type	Edge, Pulse, Video, Slope, Alternate
	Trigger mode	Auto, Normal, Single
	Trigger level	±6 divisions from screen center
	Line/field frequency(Video)	Support standard NTSC,PAL and SECAM broadcast systems
	Cursor measurement	ΔV and ΔT between cursors
	Automatic measurement	Vpp, Vavg, Vamp, Vrms, Freq, Period, Vmax, Vmin, Vtop, Vbase, Overshoot, Preshoot,Rise Time, Fall Time, Delay A→B↓, Delay A→B↑, +Width, -Width, +Duty, -Duty
	Waveform Math	+ , - , × , ÷ , FFT
	Waveform storage	15 waveforms
	Communication interface	USB, USB flash disk storage, Pass/Fail, LAN,VGA(optional)
	Dimensions	348mm × 170mm× 78mm
	Weight	1.5 kg