



Specification	
Bandwidth	100 MHz
Sampling Rate	1GS/s
Vertical Resolution (A/D)	8 bits
Record Length	40M
Waveform Refresh Rate	45,000 wfms/s
Horizontal Scale	2ns/div - 1000s/div, step by 1 - 2 - 5
Rise Time (at input, typical)	≤3.5ns
Channel	4
Display	8" 800 x 600 pixels color LCD
Input Impedance	1M Ω ± 2 %, in parallel with 15pF ± 5pF
Channel Isolation	50Hz : 100 : 1, 10MHz : 40 : 1
Max Input Voltage	1M Ω ≤ 300Vrms
DC Gain	Accuracy ±3%
DC Accuracy	average ≥ 16 : ±(3% reading + 0.05 div) for V
LF Respond (AC, -3dB)	≥10Hz
Sampling Rate / Relay Time Accuracy	± 2.5ppm
Interpolation	sin(x) / x, x
Interval (ΔT) Accuracy (full bandwidth)	Single : ±(1 interval time + 1ppm x reading + 0.6ns); Average > 16 : ±(1 interval time + 1ppm x reading + 0.4ns)
Input Coupling	DC, A C, and G ND
Vertical Sensitivity	1mV/div - 10V/div (at input)
Trigger Type	Edge, Video, Pulse, Slope, Runt, Windows, Timeout, Nth Edge, Logic, I2C, S PI, R S232, and CAN*
Bus Decoding*	I2C, S PI, R S232, and CAN
Trigger Mode	Auto, Normal, and Single
Line / Field Frequency (video)	NTSC, PAL and SECAM standard
Cursor Measurement	ΔV, and Δ T between cursors, ΔV and Δ T between cursors, and auto- cursors
Automatic Measurement	Vpp, Vavg, Vrms, Freq, Period, Peak RMS, Cursor RMS, V max, V min, V top, V base, V amp, Overshoot, Phase, Preshoot, Rise Time, Fall Time, +Width, -Width, +Duty, -Duty, Duty Cycle, Delay A →B, Delay A →B, Phase A →B, Phase A →B, +Pulse Count, -Pulse Count, Rise Edge Count, Fall Edges Count, Area, Cycle Area
Waveform Math	+, -, *, /, FFT, FFT rms, Intg, Diff, Sqrt, User Defined Function, digital filter (low pass, high pass, band pass, band reject)
Waveform Storage	100 group
Lissajou's Figure	
Bandwidth	full bandwidth
Phase Difference	±3 degrees

Note: Specifications are subject to change.

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Order Code - DSO-3104E
Digital Storage Oscilloscope 100 MHz., 4CH,
Coloured LCD 8 “, 1GS/s, USB+Software

Communication Interface	USB host, U SB device, Trig Out (P/F), L AN, and V GA*
Frequency Counter	available
Power Supply	100 - 240 V AC, 50 / 60Hz, CAT II
Fuse	2A, T class, 250V
Battery	3.7V, 13200 mAh
Dimension (w/h/d)	340 x 177 x 90 (mm)
Device Weight	2.60 kg

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