

JC1000, JC1000A SERIES

25M ~ 200MHz DIGITAL STORAGE OSCILLOSCOPES

- 2 vertical channels, high resolution color TFT /LCD or B/W LCD display (320x240 pixels)
- Main/delay dual time-base sweep, time zoom
- Auto measurement of 20 parameters & dual cursor ΔV , ΔT , $1/\Delta T$ on-screen readout
- 10 groups of waveform & setting storage
- Edge, video, pulse triggers
- Waveform maths, FFT analysis, etc.
- Waveform record and recall
- Digital low /high /band-pass, band-stop filters
- Supports USB storage
- Elegant design, compact size, easy to carry



REF: 12J1000X0000

CE (EMC), UL, CE (LVD)

Technical Specifications

Bandwidth: 25M /40M /60M /100M /150M /200MHz

Real sampling rate: 500M Sa/s (JC1000 series),
or 1G Sa/s (JC1000A series)

Max. equivalent sampling rate: 50G Sa/s

Channel: CH1, CH2, independent ADC

Memory depth: up to 4kB per channel

Vertical sensitivity: 2mV/div ~ 5V/div

Vertical resolution: 8 bit

Rise time: $\leq 14\text{ns} / 8.8\text{ns} / 5.8\text{ns} / 3.5\text{ns} / 2.3\text{ns} / 1.8\text{ns}$

Input impedance: $1\text{M}\Omega // 13\text{pF}$

Input coupling: DC, AC, GND

Time base: dual, 20ns /5ns /5ns /2ns /2ns /1ns ~50s/div

Trig mode: Auto, Normal, Single time

Trig type: Edge, TV, Pulse, Delay

Cursor measure mode: manual, trace, auto

Cursor measurement: ΔV , ΔT , $1/\Delta T$

Auto measurement: Vpp, Vmax, Vmin, Vtop, Vbase,
Vamp, Vavg, Vrms, Overshoot, Preshoot, Freq,
Risetime, Falltime, Period, +Width, -Width,
+duty, -duty, delay A, delay B, etc.

Waveform math: +, -, x, /, phase reverse, FFT

FFT: 1024 p (Hanning, Hamming, Blackman, Rectangle)

Storage: 10 waveforms, 10 setups

X-Y mode: DC~full bandwidth, phase error $\leq 3^\circ$

Calibration signal: 1kHz square, 3.0Vpp

Interface: USB device

Optional: USB host, U-disk storage, clock display

Display: 5.7" 320x240 color or B/W LCD with backlit

(T-series: color TFT, C-: color LCD, M-: B/W LCD)

Power supply: AC100~240V $\pm 10\%$, 45~65Hz, $< 30\text{W}$

Dimensions: 120(d)x285(w)x158(h)mm, approx. 4kgs

Accessories: probes (x1, x10), power cord, software