

## JC1000T, JC1000TA SERIES

### JC2000T, JC2000TA SERIES 25M~200MHz DIGITAL STORAGE OSCILLOSCOPES

- 2 vertical channels, high resolution (320x240 pixels) color TFT display with backlit
- Main /delay dual time-base sweep, time zoom
- Auto measurement of 20 parameters and dual cursor  $\Delta V$ ,  $\Delta T$ ,  $1/\Delta T$  on-screen readout
- 10 groups of waveform and 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, USB interface to computer
- Menu operation, display in English or Chinese
- Safety as per IEC1010-1 standard

#### Technical specifications

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

Real-time sampling rate:

JC1000T, JC2000T series: 500M Sa/s, or

JC1000TA, JC2000TA series: 1G Sa/s

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

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

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:  $\Delta V$ ,  $\Delta T$ ,  $1/\Delta T$

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

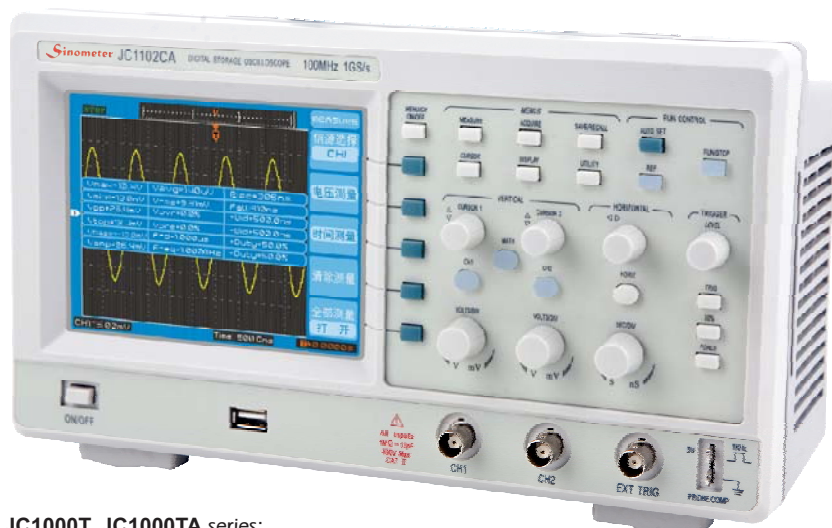
Display: 5.7inch 320x240 color TFT with backlit

Power supply: AC100~240V  $\pm 10\%$ , 45~65Hz

Power consumption:  $<30\text{W}$

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

Windows graphic software



#### JC1000T, JC1000TA series:

Modern housing design of elegance, compact size easy to carry.

Dimensions: 120(d)x285(w)x158(h) mm

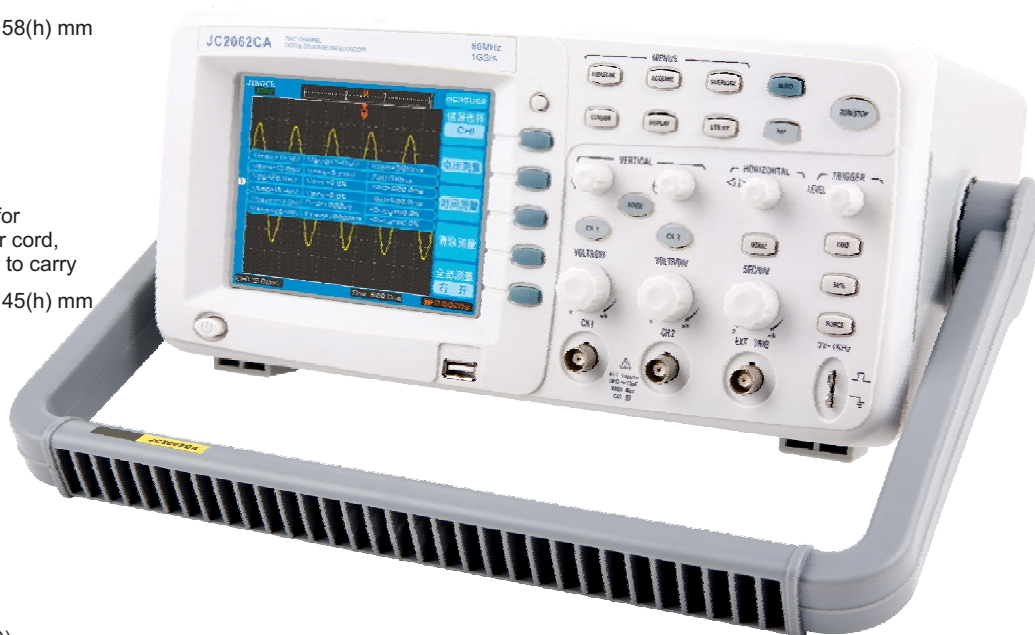
Weight: 4.0kgs approx.

#### JC2000T, JC2000TA series:

Separate cabinet built on top for storage of user manual, power cord, probes and accessories, easy to carry

Dimensions: 300(d)x312(w)x145(h) mm

Weight: 5.0kgs approx.



REF: 071000X187E/2820

☒ CE (EMC), ☐ UL, ☒ CE (LVD)