

AKADEMIKA



Product Catalogue

DSO-100C1G

100MHz Color Digital Storage Oscilloscope



FEATURES

- 100 Bandwidth
- 2 channels, low noise floor, wide vertical range: 1mV/div - 20V/div
- Memory depth: 64kpts
- System software upgrade via USB drive
- 7 inches TFT LCD
- Supports plug-and-play USB storage device
- Communication with and remote control of computer through the USB device

SPECIFICATIONS

Horizontal

- Bandwidth : DC - 100MHz
- Channels : 2
- Bandwidth Limits : 20MHz (-3dB)
- Sample Rate : 1GS/s
- Sample Mode : Real Time
- Sample Memory Dept : 64 Kpts
- Time base range : 2ns/div- 50s/div
- Time base accuracy : ± 50 ppm
- Time Base Mode : Y-T, X-Y

Input

- Mode : Sample, peak detect, averaging
- Input coupling : DC, AC, GND,
- Input impedance : $1M\Omega \pm 2\%$, 18pF ± 3 pF
- Probe attenuation factors : 1X, 10X, 100X, 1000X
- Maximum input voltage : 300 VRMS (420V pk-pk ~ CAT I and CAT II)

Vertical

- Vertical resolution : 8 bits
- Vertical sensitivity : 1mV/div - 20V/div (input to BNC)
- Rising time(typical on BNC) : 3.5nS
- Accuracy : $\pm 3\%$

Trigger

- Trigger Source : Ch1, CH2, Line, External
- Trigger Types : Edge, pulse, alternate, slope, video
- Trigger Coupling : AC, DC, LF Reject, HF Reject
- Trigger Sensitivity : DC to 100MHz: 200mV
- Trigger Level Range : CH1,CH2 : ± 8 Division from center of Screen

Auto Measurements

Max, Min, High, Low, Ampl, Pk-Pk, Middle, Mean, CycMean, RMS, C ycRMS, Period, Freq,Rise, Fall, RiseDelay, FallDelay, +Width, -Width, FRR, FRF, FFR , FFF, LRF, LRR, LFR, LFF, +Duty, -Duty, Area, CycArea, OverSht, PreSht, Phase, 34 parameters in total

- Waveform math : + , -, x, $\div$, FFT
- Waveform storage : 10 waveform, 10 setups
- Storage Methods : Setup, Wave, Bitmap
- Lissajou's figure : Available
- FFT window : Hanning, hamming, blackman, rectangle
- FFT acquisition points : 1024 points

Display

- Display Type : 7 inch LCD color (800X 480 pixels)
- Display Language : English

Interface

USBOTG, Pass/Fail

Power Supply

AC230V, 50Hz

Our Products



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Analog Communication



Digital Communication



RF/Antenna & Microwave



Fiber Optics



Radar



Wireless Communication



Network Laboratory



Processor



Controls & Instrumentation



Test & Measuring Instruments



Drone Technology Laboratory

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