DSO Nano v3 - Pocket-size color digital oscilloscope - v3.0

PRODUCT ID: 468

IN STOCK

1 ADD TO CART

1-9

10+

ADD TO WISHLIST

DESCRIPTION

This cute pocket oscilloscope is a perfect companion to your tool box. For beginners, its a good starter scope - it is not as complicated as a benchtop scope so its easy to use. For , for field-debugging, when you don't want to

drag your scope over, or when a floating-ground is needed (it will naturally do 'differential' measurements as long as its not plugged into a computer USB port). It's not a terribly fast scope, best used for signals up to 100KHz, and it is only a single channel, but we still find uses for it all the time, especially with analog projects! The new version 3.0 has a nice fully-metal case for increased durability

- Portable and lightweight, only 76 grams and 95mm x 62mm x 13mm
- 2.8" 320x240 Color TFT display
- Built in Lithium polymer battery, USB rechargeable
- Waveform storage and playback to built in 2 MB flash memory. This model no longer has a microSD card slot, but it does have built in memory instead so no SD card needed!
- 6 triggering modes
- 1 channel input, 200Khz Analog Bandwidth, 1 Mega-sample-per-second. Best for use on signals from DC to 100 KHz
- Complete measurement markers and signal characteristic
- Built-in Signal Generator
- **Comes complete with:** 2 types of probes, one with hooks, one for plugging into a PCB, screwdriver, carrying bag, stand
- DSO Nano manual

Please note! The case is metal, so do not use the DSO on high voltages above earth ground! Also, while plugged into a USB port, the ground probe and case will be connected to Earth ground through the PC so do not connect the ground probe to a voltage above Earth ground.

TECHNICAL DETAILS

Specifications

- Display: Full Color 2.8" TFT LCD 65K 320×240
- Analog bandwidth: 0 - 200KHz
- Max sample rate: 1Msps 12Bits
- Sample memory depth: 4096 Point
- Horizontal sensitivity: adjustable with indicator
- Vertical sensitivity: 10mV/Div~10V/Div (with ×1 probe)/ 0.5V/Div~100V/Div (with ×10 probe)
- Vertical position: adjustable with indicator
- Input impedance: >500KΩ
- Max input voltage: 80Vpp (by ×1 probe)
- Coupling: DCs
- Trig modes: Auto, Normal, Single, None, Scan and Fit; Rising/Falling edge/level trigger; Trig level adjustable with indicator; Trig sensitivity adjustable with indicator.
- Waveform Functions: Auto measurement: frequency, cycle time, duty cycle, peak voltage, RMS voltage, Average voltage and DC voltage; Precise vertical/horizontal measurement with markers; Hold/Run.
- Signal Generator: 10Hz~1MHz square wave
- Waveform storage: 2MB FLASH internal
- PC connection via USB: as SD card reader
- Upgrade: USB
- Power supply: 500mAh 3.7V Lithium battery/ USB
- Dimension (w/o probe) 91mm*62mm*13mm

DSO Nano manual

Source code (firmware) and schematic

Many users suggest updating the firmware, check this forum for details!

RoHS

LEARN

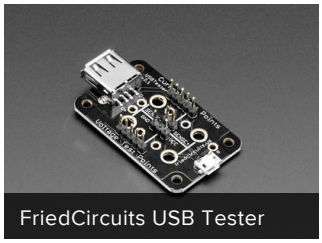
Circuit Playground: F is for Frequency

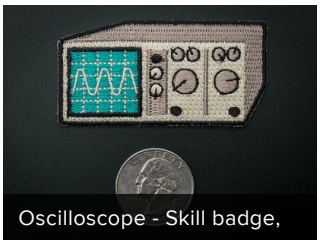
Learn about frequency from a talking oscilloscope!

MAY WE ALSO SUGGEST...


1 GS/s 50MHz Digital


USB cable - A/MiniB


FriedCircuits USB Tester


Oscilloscope - Skill badge,


Oscilloscope - Sticker!


DE0-Nano - Altera Cyclone

Love To Code Chibi Scope


Saleae Logic Pro 8 - 8


BitScope Micro USB


Oscilloscope Probe


Saleae Logic Pro 16 - 16


1 GS/s 50 MHz 4-channel

DISTRIBUTORS EXPAND TO SEE DISTRIBUTORS

"Improvement makes straight roads: but the crooked roads without Improvement are roads of Genius" - William Blake