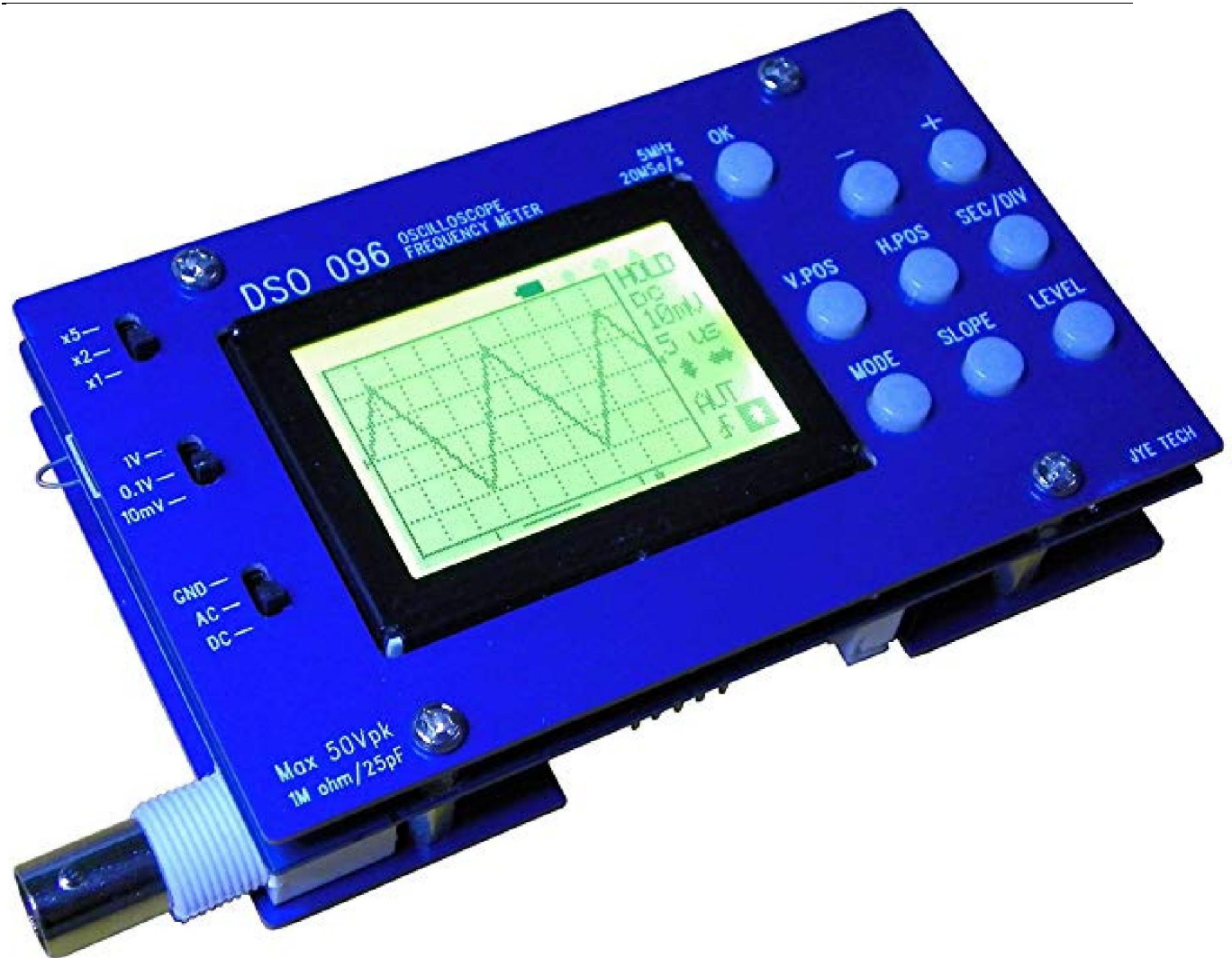


DSO 096 Oscilloscope / Frequency Meter



Item specifics

Brand : JYETech

Number of Channels : 1

MPN : 09602

Type : Digital Storage Oscilloscope (DSO)

Maximum Bandwidth : 5 MHz

Maximum Real-Time Sampling Rate : 2 MSPS

Product Details

- 20MHz frequency meter with better than 0.2Vpp sensitivity @20MHz
- 5MHz analog bandwidth and higher
- 20MSPS Equivalent-Time Sampling rate (repetitive signal) Vertical sensitivity 10mV/Div - 5V/Div
- Record length 256 points
- FFT with selectable length of 256 or 512 points and sampling rate from 1KSps to 2MSps
- The bandwidth has been greatly improved from 1MHz to 5+ MHz
- Sensitivity has been improved 10-fold from 100mV to 10mV
- The frequency meter has been improved 4-fold from 5MHz to 20+ MHz and can measure signals as small as 0.2Vp-p
- Scope is battery powered (battery IS included) and has a built-in 3.7V li-ion USB charger
- Scope has a built-in USB-UART converter for simple firmware updates and waveform uploading

Product description

DSO096 has similar structure as DSO062 but its performance has been significantly improved. Comparing to 062 DSO 096 bandwidth is 5 times wider (5M vs 1M) and sensitivity is 10 times higher (10mV vs 0.1V). Particularly, its frequency meter has been greatly enhanced. It can measure frequency higher than 20MHz at sensitivity better than 0.2Vpp (062 can only take 5 - 6 MHz signal and requires TTL level). Another big improvement is that DSO096 is battery-powered. Accepted voltage ranges from 2V to 5V so one regular 3.7V Li-ion or two 1.2V Ni-HM batteries can be used. It also comes with a built-in charger specific for 3.7V li-ion battery. DSO 096 has built-in USB-Uart converter which easy-off firmware upgrade and waveform upload. It can also run on USB power without battery. All DSO 096 models include a standard 10X/1X switchable BNC probe.

This is a great oscilloscope which, along with signal metering, contains DSO, FFT and frequency metering functionality. This is an improved and modified version of the green 062-series oscilloscopes we carry in our store

Specifications

Vertical

- Number of Channel: One
- Analog Bandwidth: 0 - 5MHz
- Sensitivity: 10mV/Div -- 5V/Div
- Resolution: 8-bit
- Input Impedance: 1M ohm/25pF
- Maximum Input voltage: 50Vpk (for 1X probe)
- Coupling: DC, AC, GND

Horizontal

- Max Real-time Sampling Rate: 2MSps
- Max Equivalent-Time Sampling Rate (hardware): 20MSps
- Timebase: 0.5us/Div - 10min/Div
- Record Length: 256 points
- Run/Hold Modes: one button switchable

Trigger

- Trigger Modes: Auto, Normal, Single
- Trigger Types: Rising/falling edge
- Trigger Sources: Internal only
- Trigger Position: Adjustable Trig Point Indicator: Yes

Other Features

- Save/Recall up to 6 captures
- Screen image hardcopy
- USB connection for data transfer and firmware upgrade FFT with selectable length of 256 or 512 points and sampling rate from 1KSps to 2MSps

Display

- 2-inch 128 X 64 black-and-white dot-matrix LCD
- Backlight ON/OFF control Contrast adjustable

Power Supply

- 3.7V Li-ion battery/USB
- Supply voltage range: 2 - 5V
- Supply Current: 210mA @ 3.7V(LCD backlight ON, typical). 150mA @ 3.7V(LCD backlight OFF, typical) Battery over-discharge protected

Physical

- Dimension: 140mm X 65mm X 25mm
- Weight: 150 gram (not including probe and battery)