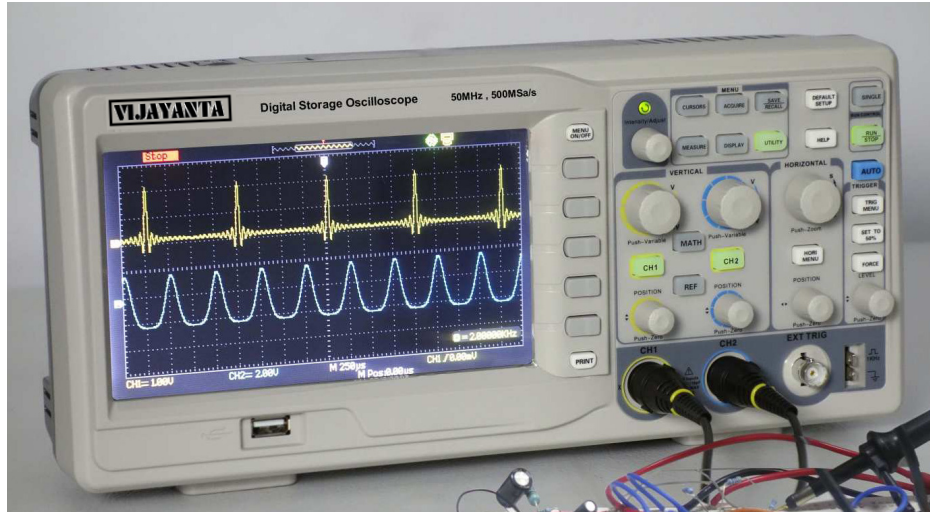


DIGITAL STORAGE OSCILLOSCOPE

Model : DSO – 50



Digital Storage Oscilloscope is the new mainstream 50MHz Digital Storage Oscilloscope to meet the educational and industry customer's applications with its innovative technology, unique specifications, powerful trigger functions, wide auto measurement functions, wide memory depth and broad analysis capabilities.

The DSO – 50 is useful for a variety of applications including Industrial Design, Trouble Shooting, Maintenance, Manufacturing, Testing, Quality Control, Education and Training.

Features

- **Bandwidth 50MHz**
- **Real-time Sampling Rate 500 MSa/s, Equivalent Sampling Rate 50GSa/s.**
- **Memory Depth: 32Kpts**
- **Trigger types: Edge, Pulse width, Video, Slope, Alternative**
- **Unique Digital Filter function and Waveform Recorder function**
- **Support pass/fail function.**
- **32 parameters Auto Measure function**
- **Save/recall types: Setups, Waveforms, CSV file, Picture**
- **Waveform Intensity and grid brightness can be adjusted**
- **1 Year Warranty**
- **Nationwide Service**
- **Standard configuration port:**
 - USB Host: Support USB flash driver save/recall function and update firmware
 - USB Device: Support PictBridge compatible printer and support PC remote control
 - RS232
 - Pass/Fail Output

VJAYANTA TECHNOLOGIES PVT. LTD.

(Formerly Vijai Electronics)

Dr. Baldev Singh Marg 28/147 Civil Lines, Roorkee-247667 Distt. Haridwar, Uttarakhand

Phone No.: 01332 – 272509, 7579200827

E-Mail : vijayantatechologies@gmail.com, vijaielectronics1965@gmail.com

Technical Specifications

- **Bandwidth** : 50MHz
- **Realtime Sample Rate** : 500MSa/s (Single Channel)
- **Equivalent Sample Rate** : 50GSa/s
- **Number of Channels** : 2 CH +1 Ext
- **Memory Depth** : 32Kpts (Single Channel)
- **Acquisition Modes** : Normal/Average/Peak Detect
- **Average** : Selectable from 4 to 256
- **Vertical Sensitivity** : 2mV/div - 10V/div
- **Vertical Resolution** : 8 bits
- **Input Impedance** : 1 M Ω \pm 2% || 17 pF \pm 3 pF
- **Input Coupling** : DC, AC and GND
- **Maximum Input Voltage** : \pm 400Vpp
- **Trigger Sources** : CH1, CH2, Ext, Ext /5, AC Line
- **Trigger Modes** : Auto, Normal, Single
- **Trigger Type** : Edge, Pulse Width, Slope, Video, Alternate
- **Auto Measure** : Vpp, Vmax, Vmin, Vamp, Vtop, Vbase, Vavg, Mean, Crms, Vrms, ROVShoot, VShoot, RPREShoot, FPRESShoot, Rise time, Fall time, Freq, Period, + Wid, - Wid, +Dut, -Dut, BWid, Phase, FRR, FRF, FFR, FFF, LRR, LRF, LFR, LFF
- **Cursor** : Measure Manual, Track and Auto measure mode
- **Maths** : +, -, \times , /, FFT
- **Waveform Interpolation** : Sin x/x, Linear
- **Storage Internal** : 2 reference waveforms, 20 waveforms and 20 Setups
- **USB** : BMP, CSV, Waveforms, Setups
- **Communication Port** : USB Host, USB Device, RS232, Pass/Fail
- **Sample Types** : Real Time and Equivalent Time
- **FFT** : Window: Hanning, Hamming, Blackman, Rectangular
- **Measure Display Modes** : Main, Window, Window Zoom, Scan, X-Y
- **Menu Display** : 2 sec, 5 sec, 10 sec, 20 sec, Infinite
- **Display** : 7 inch TFT Color LCD Display
- **Power** : 100 - 240V AC, 50VA Max
- **Net Weight** : 2.3kg Approximately
- **Dimensions** : 305mm x 133mm x 154 mm
- **Accessories** : 1:1/10:1 Probe (2 pcs), Power Cord, USB Cable, Easy Scope Software
- **Optional** : GPIB Communication Module, Serial Interface Communication Module, Pass/Fail Interface Module

Note: There may be any change in specification due to continuous R & D without notice.

VJAYANTA TECHNOLOGIES PVT. LTD.

(Formerly Vijai Electronics)

Dr. Baldev Singh Marg 28/147 Civil Lines, Roorkee-247667 Distt. Haridwar, Uttarakhand

Phone No.: 01332 – 272509, 7579200827

E-Mail : vijayantatechologies@gmail.com, vijaielectronics1965@gmail.com