



MULTI-FUNCTION TEST & MEASURING TOOL FOR FIELD APPLICATIONS AND TESTING COMPATIBLE WITH LAPTOP - MULTIFUN100



FEATURES

1. 300 MHz Bandwidth 2 Channel Digital Storage Oscilloscopes
2. Spectrum Analyzer
3. Arbitrary Waveform Generator Sine 50MHz, Square 15MHz, Triangle 100KHz , AM –FM Modulation
4. 16 Channel Logic Analyzer
5. Frequency and Phase Meter

1. 300 MHz Bandwidth 2 Channel Digital Storage Oscilloscopes

1. Bandwidth - 300 Mhz
2. Waveform Capture Rate - 140,000 wfm/s (normal mode), and 500,000 wfm/s (sequence mode)
3. Record Length - 140Mpts
4. Sampling Rate (Max.) - 2GSa/s
5. Display - 8 inch TFT LCD (800 X 480)
6. Real Time Sampling Rate - 2GSa/s
7. Supports Protocols - IIC, SPI, UART, RS232, CAN, LIN
8. Input Power: 230VAC \pm 10%, Frequency: 50 \pm 3Hz.
9. USB 2.0/ 3.0 Interface

Accessories

1. Measuring Probes
2. Practical Manual - Printed + Soft Copy : 1 No.

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Dealer:-

2. 3GHz Spectrum Analyzer with built-in Tracking Generator

Features

1. Frequency Range 9 kHz to 3.2 GHz
2. Resolution - Bandwidth (-3dB) : 10 Hz to 1 Mhz
3. Built in Tracking Generator
4. Min. -148 dBm Displayed Average Noise Level
5. Display : 8" TFT
6. PC Interface: USB Host & Device, LAN(LXI)

Specifications

1. DSA832E Spectrum Analyzer, 9 kHz to 3.2 GHz
2. All-Digital IF Technology
3. Frequency Range from 9 kHz to 3.2 GHz
4. Min. -148 dBm Displayed Average Noise Level (Typ.)
5. Min. <-90 dBc/Hz @ 10 kHz Offset Phase Noise
6. Level Measurement Uncertainty <1.0 dB
7. 10 Hz Minimum Resolution Bandwidth
8. Up to 3.2 GHz Tracking Generator (DSA832E-TG)
9. Advanced Measurement Functions (Opt.)
10. EMI Filter & Quasi-Peak Detector Kit (Opt.)
11. VSWR Measurement Kit (Opt.)
12. PC Software (Opt.)
13. Optional RF TX/RX Training Kit
14. Optional RF Accessories (Cable, Adaptor, Attenuator, Bridge ...)
15. Complete Connectivity: LAN (LXI), USB Host & Device, GPIB (Opt.)
16. 8 Inch WVGA (800×480) Display
17. Compact Size, Light Weight Design

Accessories

1. Measuring Probes
2. Practical Manual - Printed + Soft Copy : 1 No.

3. Arbitrary Waveform Generator

Features

1. Two Channel
2. 200MSa/Sec and 2Mpt memory
3. More than 150 different arbitrary waveforms
4. Built-in 8th order harmonic generation
5. Built-in 150MHz Frequency Counter
6. PC Connectivity : USB Device/Host and LAN
7. Digital Display for Frequency and Amplitude

Specifications

- | | |
|------------------------------|---|
| Model | : SGDDA - 50M |
| 1. Frequency Output | : (1 μ Hz to 50 MHz Sine Wave) |
| 2. Output Channels | : 2 Channels, 50 Ω (Typical), Short-circuit Protection |
| 3. Sampling Rate | : 150 MSa/S |
| 4. Arbitrary waveform Length | : 16 K Points, 14 Bits Res. |
| 5. Waveforms | : Sine wave, Square wave, Ramp, Pulse, Noise, Arbitrary Wave forms, DC. |
| 6. Frequency Limits | : Square 15 MHZ
Ramp 100 Khz
Pulse 5 MHZ
Arbitrary 6.5 MHZ |
| 7. Modulation | : AM, FM, PM, FSK, BPSK, ASK, Sweep, Burst. |
| 8. Frequency Counter | : Frequency Range : 0.1 Hz ~ 250 MHz, 6 Digits |
| 9. Amplitude Channel 1 | : 2 mV p-p ~ 20 V p-p (High Impedance, \leq 15 MHz)
2 mV p-p ~ 10 V p-p (High Impedance, \leq 60 Mhz)
1 mV p-p ~ 10 V p-p (50 Ω , \leq 15 Mhz) |
| 10. Amplitude Channel 2 | : 2 mV p-p ~ 6 V p-p (High Impedance, \leq 60 Mhz)
1 mV p-p ~ 3 V p-p (50 Ω , \leq 60 Mhz) |
| 11. D.C. Offset & Burst | : Provided |
| 12. Sweep | : Lin. / Log. |
| 13. Display | : 4.5" TFT LCD |
| 14. Interface | : RS232 & USB |
| 15. Accessories | : Power Cord, User Manual, S/W C.D., USB Cable, RS-232 cable & BNC Cable.
Optional: Power Amplifier. |
| 16. Power source | : 100 ~ 240 V AC, 50 Hz (\pm 3 Hz), \approx 50 W Max. |

4. 16 Channel Logic Analyzer

1. The Saleae Logic Pro 16 is a powerful logic analyzer that lets you record and display signals in your circuit, so you can debug it fast.
2. General debugging
3. Decoding protocols like I2C and SPI (and 23+ more)
4. Reverse Engineering
5. Measuring timing
6. Long duration recording
7. System interaction debugging (multiple GPIO, SPI, I2C at the same time)
8. Instrumenting your code (toggle GPIOs for debugging or performance profiling)

5. Frequency and Phase Meter

1. Ultra Bright LED display for clear and long distance viewing of meter
2. This frequency meter consist of true RMS, 1/3 Phase AC Digital Volt, ammeter and 1 phase frequency meter.
3. This has high accuracy of 1%, 0.5% of reading for CI 1 and CI 0.5 respectively for Volt and Ammeter and 0.2% of reading for frequency meter.
4. 96 X 96 mm Panel Mount
5. User programmable CT & PT ratios
6. True RMS measurement
7. Bright Red 4 digit LED display
8. Wide control power range 90-300Vac
9. Volts, amps and frequency monitoring in all electrical and DG panels