

Digital Storage Oscilloscope (100 MHz)

SB-9621B

- ▶ 2-Channel
100 MHz bandwidth
- ▶ 2 M points of
memory gives
finer detail
- ▶ FFT/FFTTrms/
Zoom FFT
- ▶ Delay on/off
- ▶ USB flash storage
and data logger
- ▶ Go/NoGo function
- ▶ Print directly to printer
- ▶ PC remote control software



This 2-channel oscilloscope is designed to meet educational demands. With 100 MHz bandwidth and a maximum real-time sampling rate up to 1GSa/s, the Digital Storage Oscilloscope supports numerous experiments and studies.

Each channel has 10M memory depth, yielding exquisite measurement results and allowing the retrieved waveform to successfully reveal the details of a signal. Students are often baffled by their inability to retrieve signal details when measuring basic electric circuit signals. Now, with 10M memory depth for each channel, student can uncover all signal details in depth.

A seven-inch, 800 x 480 WVGA LCD display and 256-color gradient display function together to allow this scope to distinctly display waveform details in gradients while measuring rapidly changing analog signals.

The 1Mpts FFT signal display makes the frequency domain display function more delicate. Students can clearly observe the distributed details of frequency domain signals, and use the smooth and rapid response to locate the source of problems. Additionally, the powerful FFT function realizes high efficient spectrum analysis measurement, which is indispensable for technology and education arenas.

This affordable oscilloscope provides serial bus analysis function with 10M long memory depth. Users can trigger, decode, and analyze frequently used I2C, SPI and UART 2 serial bus and CAN/LIN bus, which are often used by automotive communications.

The oscilloscope provides the zero key function for vertical voltage scale adjustment, horizontal time scale adjustment and trigger level adjustment. When processing complicated waveform adjustment and observation, users often require the zero key function to start a new measurement, adjust waveform or reset trigger level. The zero key function can reduce the time consumed turning control knobs.

Specifications:

- Bandwidth:** 100 MHz, 2 Input Channels
- Maximum Sampling Rate:**
1 GSa/s real-time; 25 GSa/s equivalent-time
- Record Length:** 2 Mega points
- Vertical Scale:** 2 mV to 10 V
- Horizontal Range:** 1 ns to 50 s
- Number of Auto Measurements:** Up to 27
- Functions:** +, -, x, FFT, FFTTrms, Zoom FFT
- Display:** 7-inch, 800 x 480 WVGA LCD display
- Ports:** USB Host and Device Ports
- Data Logger:** Yes
- Compact Size:** (W) 310 x (D) 140 x (H) 142 mm

Order Information

Digital Storage Oscilloscope (100 MHz).....SB-9621B

Basic Digital Multimeter

SE-9786A

This basic meter includes all the functions and ranges needed for most introductory lab work.

Features:

- ▶ 10 amp range
- ▶ Backlit display with 25 mm digits
- ▶ Soft rubber boot for drop protection
- ▶ Built-in tilt stand
- ▶ Type K thermometer built in for surface or air measurements
- ▶ Auto power off saves battery life

Specifications:

DC Voltage: 0.1 mV to 600 V with $\pm 0.5\%$ accuracy

AC Voltage: 1 mV to 600 V with $\pm 0.3\%$ accuracy

DC Current: 0.1 μ A to 10 A

AC Current: 0.1 mA to 10 A

Resistance: 0.1 Ω to 20 M Ω

Additional Functions: Input fuse protection, audible and visible misconnection signals, data hold freezes display reading

Display: 3-1/2 digit display with 25 mm digits, polarity indication, low battery indication

Power: 9 V battery (included)



Order Information

Basic Digital Multimeter.....SE-9786A

Precision Digital Multimeter, Component Tester and Thermometer

SB-9631B

This is an excellent general purpose multimeter that features high-accuracy overload protection on all ranges and a built-in digital thermometer.

It can measure capacitance and transistor gain (hFE).



Specifications:

DC Current: 200 μ A, 2 mA, 20 mA, 200 mA; $\pm (1\% + 1 \text{ digit})$

AC Current: 200 μ A, 2 mA, 20 mA, 200 mA; $\pm (1.2\% + 4 \text{ digits})$

Capacitance: 20 nF, 200 nF, 2 μ F, 20 μ F, 200 μ F; $\pm (3\% + 10 \text{ digits})$

Temperature: 4° to 1400°F; 4° to 900°F; $\pm (2.0\% \text{ reading} + 4^\circ\text{F})$; 900°F to 1,400°F; $\pm (3.0\% \text{ reading} + 4^\circ\text{F})$

Power: 200-hour life on 9 V alkaline (battery included).

Test leads, temperature probe and battery are included

DC Voltage: 200 mV, 2 V, 20 V, 200 V, 1000 V; $\pm (0.5\% + 1 \text{ digit})$
10 M Ω input impedance

AC Voltage: 200 mV, 2 V, 20 V, 200 V; $\pm (1\% + 4 \text{ digits})$ 750 V;
 $\pm (1.5\% + 4 \text{ digits})$ 10 M Ω input impedance

Product Resistance: 200 Ω ; $\pm (1\% + 3 \text{ digits})$ 2 k Ω , 20 k Ω , 200 k Ω ,
2 M Ω ; $\pm (0.8\% + 1 \text{ digit})$ 20 M Ω ; $\pm (3\% + 3 \text{ digit})$

Additional Functions: Diode test, transistor hFE,
audible continuity test, fold-out stand

Display: 3-1/2 digit LCD display, 17 mm high digits,
polarity indication, low battery indication

Drop Resistant

Order Information

Precision Digital Multimeter,
Component Tester and ThermometerSB-9631B
Replacement Supplies
Thermocouple Probe.....SB-9632