GDS-1000A Series is a general purpose 2-channel oscilloscope and originally designed to meet educational and industrial requirements without specializing in DSO features. This series provides three selective bandwidths of 60MHz, 100MHz and 150MHz together with innovative human machine interface design plus an TFT color LCD display; users will enjoy better measurement experience!

GDS-1000A series offers dual sampling mode, giving users two options for 1GSa/s Real-Time sampling or 25GSa/s high-speed Equivalent sampling rate. What’s more, with high-speed wave handling capability, more advanced triggering functions, and 2.5 kg light-weight design, it is a powerful functional oscilloscope with the best price than ever. Ultimately GDS-1000A series is considered for the replacement of analog oscilloscope and further promoted as a personal DSO affordable to any situation such as such each student in educational labs, service technicians, or industrial field needing big quantity.

Besides, the requirement of measuring data exchange and analysis is intergraded into the GDS-1000A series. The convenient PC standard interface is also available, such as USB interface and SD card socket. This two build-in standard interface capability enable the performance of remote control or data transferring to a desktop/laptop for documenting purpose and enhance your work efficiency.

Easy to use
Several acquisition mode and 27 auto measurement functions help user to measure the accurate property of waveforms. The advanced auto-set function makes GDS-1000A Series catch waveform automatically and display waveform quickly. With arithmetic functions, FFT function keeps user being aware of the results by updating value immediately. Without almost extra-calculation GDS-1000A series can provide sufficient information of testing.

SD Card & USB Device supported
A total of 15 waveforms could be saved into the internal memory for later recall and display, and 2 saved reference waveforms plus 2 live waveforms could be shown on the screen at the same time for comparison. SD card mass storage and USB device port are supported, providing storage/transfer of measurement data and remote control for diversified solutions.

GDB-02 Oscilloscope Education and Training Kit

Applications
- Laboratories and Educational Facilities
- Product Testing and Quality Assurance
- Service Operation and Post-Sales Support
- Product Development and Debugging
### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>GDS-1062A</th>
<th>GDS-1102A</th>
<th>GDS-1152A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Channels</td>
<td>2 (DC-60MHz; 3dB)</td>
<td>2 (DC-100MHz; 5dB)</td>
<td>2 (DC-150MHz; 5dB)</td>
</tr>
<tr>
<td>Rise Time</td>
<td>&lt;5.8ns Approx.</td>
<td>&lt;5.8ns Approx.</td>
<td>&lt;5.8ns Approx.</td>
</tr>
<tr>
<td>Bandwith</td>
<td>DC-60MHz (-3dB)</td>
<td>DC-100MHz (-3dB)</td>
<td>DC-150MHz (-3dB)</td>
</tr>
</tbody>
</table>

### VERTICAL
- **Bandwidth**
- **Input Coupling**
- **Input Impedance**
- **Sensitivity**: 20mV/div - 500mV/Div (1.25 divisions)
- **Input Impedance**: AC: 1MΩ; 1:2 (150MHz)
- **Frequency Range**: 100kHz - 20MHz
- **Voltage Measurement**: 20Vp-p, 2% (peak-to-peak value)
- **Average**: 8
- **Peak Detection**: 8 Bits
- **Equivalent Sample Rate**: 25GSa/s maximum
- **Sample Rates**: 200MSa/s, 400MSa/s, 600MSa/s, 800MSa/s, 1GSa/s
- **Resolution**: 8 Bits
- **Horizontal Range**: 1ns to 200s
- **Time/Div**: 10ns - 2.5s
- **Trigger**: 10NS - 10S
- **Offset**: 0 to 10V
- **Polarity**: AC, DC & Ground
- **Resolution**: 20mV - 500mV
- **Bandwidth**: DC-50MHz (3dB)

### TRIGGER
- **Source**: AUTO, Normal, Single, TV, Edge, Pulse width
- **Coupling**: DC, AC, 1:2 (150MHz), Level
- **Sensitivity**: 20mV/div - 500mV/Div (1.25 divisions)
- **Horizontal Range**: 1ns to 10s
- **Sample Rates**: 200MSa/s, 400MSa/s, 600MSa/s, 800MSa/s, 1GSa/s
- **Resolution**: 8 Bits
- **Equivalent Sample Rate**: 25GSa/s maximum
- **Sample Rates**: 200MSa/s, 400MSa/s, 600MSa/s, 800MSa/s, 1GSa/s
- **Resolution**: 8 Bits
- **Horizontal Range**: 1ns to 200s
- **Time/Div**: 10ns - 2.5s
- **Offset**: 0 to 10V
- **Polarity**: AC, DC & Ground
- **Resolution**: 20mV - 500mV
- **Bandwidth**: DC-50MHz (3dB)

### CURSORS AND MEASUREMENT
- **Voltage Measurement**: Voltage Measurement
- **Delay Measurement**: Delay Measurement
- **Cursors Measurement**: Cursors Measurement
- **Auto Counter**: Auto Counter
- **Voltage Difference between Cursors**: Voltage difference between cursors
- **Time Difference between Cursors**: Time difference between cursors
- **Measurement Conditions**: Up to 15 sets of measurement conditions
- **5 sets of waveform**: 15 sets of waveform
- **6 Digits**: 6 Digits
- **Accuracy**: 2%

### ADJUSTABLE PROBE COMPENSATION SIGNAL
- **Frequency Range**: 1MHz - 100MHz
- **Duty Cycle Range**: 1% - 95%
- **T/STEP**: Up to 15 steps of measurement conditions

### POWER SOURCE
- **Line Voltage Range**: AC 100V ~ 240V, 48Hz ~ 63Hz
- **Auto selection**: Auto selection

### MISCELLANEOUS
- **Multi-Language Menu**: Available
- **Online Help**: Available

### DIMENSIONS & WEIGHT
- **308 (W) x 142 (H) x 140 (D) mm**: 2.5kg

### ACCESSORIES
- **User manual x1, Power cord x1**
- **Probe CTP-060A-4 or equivalent**: 60MHz (101/1.1) Switchable passive probe for GDS-1062A (one per channel)
- **Probe CTP-100AP-4 or equivalent**: 100MHz (101/1.1) Switchable passive probe for GDS-1102A (one per channel)
- **Probe CTP-100AP-4 or equivalent**: 150MHz (101/1.1) Switchable passive probe for GDS-1152A (one per channel)

### ORDERING INFORMATION
- **GDS-1062A**: 60MHz, 2 channel, 1GSA/s & 2M Memory DSO
- **GDS-1102A**: 100MHz, 2 channel, 1GSA/s & 2M Memory DSO
- **GDS-1152A**: 150MHz, 2 channel, 1GSA/s & 2M Memory DSO

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