Performance Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>LBRDS181021</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bandwidth</td>
<td>25MHz (X10), 10MHz (X1)</td>
</tr>
<tr>
<td>Sample Rate</td>
<td>100MS/s</td>
</tr>
<tr>
<td>Horizontal Scale (s/div)</td>
<td>5ns/div - 100s/div, step by 1 - 2 - 5</td>
</tr>
<tr>
<td>Rise Time</td>
<td>≤ 14ns</td>
</tr>
<tr>
<td>Record Length</td>
<td>5K</td>
</tr>
<tr>
<td>Input Coupling</td>
<td>DC, AC, and GND</td>
</tr>
<tr>
<td>Input Impedance</td>
<td>10MΩ±2% (X10), 1MΩ±2% (X1)</td>
</tr>
<tr>
<td>Input Capacitance</td>
<td>10pF±5pF (X10), 30pF±5pF (X1)</td>
</tr>
<tr>
<td>Max Input Voltage</td>
<td>50V (PK - PK) (DC + AC, PK - PK)</td>
</tr>
<tr>
<td>DC Gain Accuracy</td>
<td>±3%</td>
</tr>
<tr>
<td>DC Accuracy (average)</td>
<td>average≥16 : ±(3% reading + 0.05 div) for ΔV</td>
</tr>
<tr>
<td>Analog Bandwidth</td>
<td>25MHz</td>
</tr>
<tr>
<td>Probe Attenuation Factor</td>
<td>1X, 10X</td>
</tr>
<tr>
<td>LF Respond (AC, -3dB)</td>
<td>≥10Hz</td>
</tr>
<tr>
<td>Interpolation</td>
<td>sinc(x)/x</td>
</tr>
<tr>
<td>Displacement</td>
<td>±10div</td>
</tr>
<tr>
<td>Interval (ΔT) Accuracy</td>
<td>Single : ±(1 interval time + 100ppm × reading + 0.6ns), Average: ±(1 interval time + 100ppm × reading + 0.4ns)</td>
</tr>
<tr>
<td>Vertical Resolution (A/D)</td>
<td>8 bits</td>
</tr>
</tbody>
</table>

Application

- design and debug
- circuit function test
- education and training

Accesories

- The accessories subject to final delivery.

|-----------------|------------------|--------|--------|-----------|---------------|

Accessories

- Grounding Clamp
- Protection Cover
- CD Rom
- Manual
- USB Cable
- User's Manual

New Features

- 25MHz bandwidth
- 100MS/s sample rate
- 5K record length
- FFT function
- Human engineering design
- Multi-action mode via creative trackball
- Multi-trigger option: edge, slope, and pulse
- 5mV micro signal supported
- USB bus powering, and optional USB isolated function
- Easy portability, pocket accommodated

Additional Features

- Wave Rambler Pen-type PC Oscilloscope
- Vertical Sensitivity 5mV/div - 5V/div
- Trigger Type Edge, Pulse, Slope
- Trigger Mode Auto, Normal, Single
- Trigger Level ±5 divisions from screen center
- Acquisition Mode Sample, Peak Detect and Average
- Cursor Measurement Vpp, Vavg, Vrms, Freq, Period, Vmax, Vmin, Vtop, Vbse, Vamp, Overshoot, Preshoot, Rise Time, Fall Time, +Width, -Width, +Duty, -Duty
- Waveform Math FFT
- Communication Interface USB2.0
- Dimension (W×H×D) 150 × 20 × 18 (mm)
- Weight (without package) 0.27 kg

Accessories

- Grounding Clamp
- Protection Cover
- CD Rom Manual
- USB Cable

+ New Features

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