**Ultrasonic Flaw Detector**

**SADT SUD10**

**Standard package**
- SUD10 main unit 1
- 2.5MHz-Ø20 straight probe 1
- 4MHz 60° 8x9mm angle probe 1
- Probe connection cable (Q9 to Q9) 1
- Probe connection cable (Q9 to C5) 1
- 4A/9V power adapter 1
- Data managing software 1
- Interface cable 1
- Operation manual 1
- Carrying case 1

**Optional accessories**

**Straight probe**
- 5MHz-Ø20mm probe 1
- 2.5MHz-Ø20mm probe 1
- 2.25MHz-Ø20mm probe 1

**Angle probe**
- 4MHz 45° 8 x 9mm probe 1
- 4MHz 60° 8 x 9mm probe 1
- 4MHz 70° 8 x 9mm probe 1
- 4MHz 80° 8 x 9mm probe 1
- 2MHz 45° 8 x 9mm probe 1
- 2MHz 60° 8 x 9mm probe 1
- 2MHz 70° 8 x 9mm probe 1
- 2MHz 80° 8 x 9mm probe 1
- T/R 5MHz-Ø20mm, focus 15mm probe 1
- T/R 2.5MHz-Ø20mm, focus 15mm probe 1
- Connection cable to probe (Q9 to Q9) 1
- Connection cable to probe (Q9 to C5) 1
- Connection cable to probe (C9 to C5) 1
- Lithium ion battery 1
- Power adaptor 4A/9V 1
- Power Cable 1
- Leather case 1

**Key Features**

- High-speed capture and very low noise
- DAC, AVG, B Scan
- Solid metal housing (IP65)
- Automated make video of test process and play
- High contrast viewing of the waveform from bright, direct sunlight to complete darkness and easy to read from all angles
- Powerful PC software and data can be exported to Excel
- Automated calibration of transducer Zero, Offset and/or Velocity
- Automated gain, Peak Hold and Peak Memory
- Automated display precise flaw location (Depth d, level p, distance s, amplitude, σ dB, Ø)
- Automated switch three staff gauge (Depth d, level p, distance s)
- Ten independence setup, any criterion can be input freely, can work in the scene without test block
- Big memory of 300 A graph and 30000 thickness values
- A&B Scan
- RS232/USB port, Communication with PC is easy
- The embedded software can be online updated
- Li battery, continue working time up to 8 hours
- Display freeze
- Automatic echo degree
- Angles and K-value
- Lock and unlock function of system parameters
- Dormancy and screen savers
- Electronic clock calendar
- Two gates setting and alarm indication

**Specifications**

<table>
<thead>
<tr>
<th>Measuring range (mm)</th>
<th>0.5~10000</th>
<th>Frequency range (MHz)</th>
<th>0.5~15</th>
<th>Pulse shift (μs)</th>
<th>-20~+3400</th>
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</thead>
<tbody>
<tr>
<td>Vertical linearity error</td>
<td>±2.5%</td>
<td>Gain (dB)</td>
<td>0~110</td>
<td>Zero (μs)</td>
<td>0.0~999.9</td>
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<tr>
<td>Horizontal linearity error</td>
<td>±0.1%</td>
<td>Material velocity</td>
<td>1000~15000 m/s</td>
<td>Port type</td>
<td>BNC</td>
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<tr>
<td>Sensitivity margin</td>
<td>≥60dB</td>
<td>Measurement mode</td>
<td>single, dual, THRU</td>
<td>Operating temperature</td>
<td>-20~55°C</td>
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<tr>
<td>Dynamic scope</td>
<td>≥32dB</td>
<td>Reject</td>
<td>0~80%</td>
<td>Dimension &amp; net weight</td>
<td>240×180×50mm, 2.2kg</td>
</tr>
<tr>
<td>Standards</td>
<td>JBT 10061-1999, JIG 746-2004</td>
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