SONOWALL 70

A-/B-Scan Thickness Gage

Advantages at a glance:

High performance & compact design
Flip-screen-feature simplifies usage
Robust aluminum casing, IP 67

For various thickness applications:

Corrosion testing
Through-coat testing
Precision measurement

Get a quote!
The new thickness gauge is perfectly suited for various ultrasonic thickness applications. The robust aluminium casing with IP 67, a light weight of **only 990g** and high resolution anti-glare **5-inch graphic display** make the SONOWALL 70 the ideal thickness gage in **harsh test environments**.

**Intuitive operation**

In addition to high performance, the focus during the development for this new thickness gage was on intuitive handling and clear display of measurement results. An intuitive user interface, clearly structured menu, and the presentation of all menu items in full text simplify and accelerate the set-up and operation of the device, and reduce the risk of incorrect settings.

All relevant measurement values and device settings such as wall thickness, A- or B-Scan, and individually adjustable test parameters are apparent at a glance on the large display screen (800x489).

Thanks to the innovative flip-screen technology, the device can be used with either hand for convenient working.

**Intelligent probe identification**

SONOWALL 70 is the first thickness gage in the market with intelligence probe identification. The extended probe management allows probe-specific information, such as DAC-curves, delay lines and serial numbers, to be saved directly in the probe.

In addition to various thickness applications, the device can be upgraded to a full-function flaw detector.

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**Technical Data**

<table>
<thead>
<tr>
<th>Standards</th>
<th>DIN EN 15317, DIN EN 61326, ASTM E 1324, ASTM E 317</th>
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<tbody>
<tr>
<td>Operating temperature</td>
<td>-20 to +60°C</td>
</tr>
<tr>
<td>Screen</td>
<td>5&quot; TFT Screen, 800 x 480 pixels, 60 Hz</td>
</tr>
<tr>
<td>Measurement methods</td>
<td>Single-echo, echo-echo, multi-echo</td>
</tr>
<tr>
<td>Transmitter</td>
<td><strong>Frequency</strong> 0.5 - 10 MHz (- 30 MHz optional)</td>
</tr>
<tr>
<td></td>
<td><strong>Pulse</strong> Negative rectangle (single pulse)</td>
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<tr>
<td></td>
<td><strong>Pulse width</strong> 20 to 500 ns, in steps of 10 V</td>
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<tr>
<td></td>
<td><strong>Amplitude</strong> 0 to 400 V, in steps of 10 V</td>
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<tr>
<td></td>
<td><strong>Output impedance</strong> 50 Ohm, 400 Ohm</td>
</tr>
<tr>
<td>Receiver</td>
<td><strong>Dynamic Range</strong> 110 dB</td>
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</tbody>
</table>
### Amplifier bandwidth
0.2 to 25 MHz

### Input Impedance
500 Ohm (in T/R-mode)

### Probe connectors
2x LEMO (IP 67 compliant)

### Scan
20 to 100 MSps @ 12/14 Bit

### Software options
- V/W error correction
- Floating gates
- Subsequent measurement of frozen A-scan
- Backwall echo attenuation via extra gate
- Time encoded B-scan option

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**Video**

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**Downloads**

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<tr>
<th>Type</th>
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<td>Probe Catalogue NDT</td>
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**DO YOU HAVE ANY QUESTIONS?**

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Please contact us! We will be glad to help you.

**Manuel Lucas**

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