THE ULTIMATE TFM ULTRASONIC FLAW DETECTOR

A1550 INTROVISOR

Flaw Visualization by INTROVIEW® Software

• 3D imaging of UT data
• B, C & D projection images with quantitative flaw evaluation
• Versatile reporting capability

• Total Focusing Method using Multi-SAFT technology
• Semiautomatic sensitivity calibration by standard calibration blocks
• B, C & D-Scan imaging capability
• Conventional A-Scan view in single channel flaw detector mode and phased array mode
Special features:

- Multi-SAFT technology / multiple reflection reconstruction for accurate flaw visualization and analysis
- Easy-to-use operation due to semiautomatic sensitivity calibration with standard calibration blocks
- 2D spatial sensitivity adjustment to find and evaluate small flaws according to common codes and size flaws and position correctly to the surface of the test piece
- Novel micro-wedge transducer technology with zero multiple wedge reflections and artifact-free imaging

Specification:

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phased Array data processing technique</td>
<td>Total Focusing Method</td>
</tr>
<tr>
<td>Number of array elements / channels</td>
<td>16</td>
</tr>
<tr>
<td>Operation frequencies</td>
<td>1,0; 1,8; 2,5; 4,0; 5,0; 7,5; 10,0 MHz</td>
</tr>
<tr>
<td>Dynamic range</td>
<td>100 dB</td>
</tr>
<tr>
<td>Display resolution / type</td>
<td>640 x 480 / TFT</td>
</tr>
<tr>
<td>Operation time with battery, not less than</td>
<td>8 h</td>
</tr>
<tr>
<td>Dimensions of the electronic unit</td>
<td>260x166x80 mm</td>
</tr>
<tr>
<td>Weight of the electronic unit</td>
<td>1,8 kg</td>
</tr>
<tr>
<td>Operation temperature</td>
<td>from -10 to +55 ºC</td>
</tr>
</tbody>
</table>

Delivery kit:

- A1550 IntroVisor – TFM ultrasonic flaw detector – tomograph
- Phased Array transducers:
  - M9065 (4 MHz shear wave, pitch 2.5 mm)
  - M9060 (4 MHz longitudinal wave, pitch 2.5 mm)
  - M9170 (4 MHz shear wave, pitch 1.6 mm)
- Single crystal transducers:
  - S3568 (2.5 MHz, normal beam, crystal diameter 10 mm)
  - S5182 (2.5 MHz, angle beam 45 degree, crystal diameter 12 mm)
  - S5096 (5 MHz, angle beam 45 degree, crystal diameter 6 mm)
- LEMO 00 – LEMO 00 single cable 1,2 m
- USB A – Mini B cable
- Power adaptor with cable
- Calibration block V2/25
- Ultrasonic Couplant, bottle 4 oz.
- Soft cover & hard case
- Optional scanner: MS150 TuScan

3D INTROVIEW® Software

- Weld configuration wizard for common weld preparations
- 2D-View modes: B, C & D-Scan / Cutting plane, gated volume
- Synchronized 2D cursors for interactive flaw sizing
- 3D-View modes: ISO-Surface Texture Mapping Maximum Intensity Projection