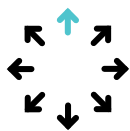


## Flaw Detection UT8000

Portable ultrasound flaw detector for different types of material and components. Delivering fully traceable inspection data and rapid report creation.



### Swiss Quality

Swiss Quality for unmatched performance and ruggedness. A unit that can meet the most demanding environment and requirements.



### Enhanced Productivity

No adaptation time needed: learn within 1 hour and start your inspection with the most intuitive, user-friendly, feature-rich, intelligent software



### Peace of Mind

The unique Rewind and log-book functions record and secure set-ups and inspection results, enabling on-demand assessment of inspection parameters. Including GPS locations, photos of the components and even audio messages.



## Software / Workspace App

<b>Automated calibration</b>	Velocity, zero offset
<b>Test modes</b>	Pulse echo, dual, through transmission or grid
<b>Units</b>	Millimeters, inches, or microseconds
<b>Range</b>	3 – 11760 mm at 5900 m/s
<b>Velocity</b>	100 – 10000 m/s
<b>Zero offset</b>	0 – 50 mm
<b>Display delay</b>	up to full range
<b>Refracted angle</b>	0° – 90° in 1° increments
<b>Measurement gates</b>	2x, fully independent
<b>Gate start</b>	Variable over entire displayed range
<b>Gate height</b>	Variable, 1% – 100% full-screen height, in increments of 1%
<b>Alarms</b>	Positive and negative threshold/curve
<b>Measurement display locations</b>	Up to 5 locations (manual or auto selection)
<b>Echo-to-echo</b>	Standard gate 2 – gate 1
<b>DAC/TCG</b>	Standard, up to 10 points, 110 dB dynamic TCG range
<b>Special</b>	DAC modes: Custom DAC (up to 6 curves), 20% – 80% view



## Processing Unit / Sensor

<b>Configuration</b>	1 UT channel
<b>Transducer Socket</b>	Lemo 00
<b>Pulse Voltage</b>	100 to 400 V (square pulse)
<b>PRF</b>	2000 Hz
<b>Gain Range</b>	0-110 dB
<b>Bandwidth</b>	0.2 - 20MHz
<b>Display</b>	Any compatible Apple® iPad (iOS 11 and higher)
<b>Memory</b>	Up to 1 TB (depending on the iPad model)
<b>Connections</b>	Encrypted Wi-Fi connection to iPad
<b>Signal Enhancement</b>	Digital and analogue filters, rejection, averaging
<b>Architecture</b>	1 channel
<b>Digitizing Frequency</b>	125 MHz
<b>Supported Scans</b>	A-Scan, Grid
<b>Measurements</b>	Path length, depth, surface distance, DAC, AWS
<b>Report Generation</b>	Indication table, HTML export
<b>Encoder</b>	Ready
<b>Languages</b>	English, German, Italian, French, Spanish, Chinese, Japanese, Korean, Russian
<b>Battery</b>	Removable pack, 6x AA (NiMH), flight-safe
<b>Battery Life</b>	5 Hrs
<b>Special Features</b>	IP67



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