



Flaw Detection

FD100 TOFD

Ultrasound Inspection for different type of materials, metal and not metal, such as composite or plastic



Efficiency

Two channels of TOFD simultaneously in one pass to offset scans inspecting Heat Affected Zone (HAZ) of welds and/or large wall thickness up to 300 mm.



Performance

Advanced features such as lateral wave removal and lateral wave straightening for clearer and more accurate sizing.



High-quality

A strong square wave pulser, so no TOFD preamplifier required in almost all situations.



Instrument

Tech Specs

Configuration	2 UT Channels
Transducer Socket	Lemo 1 or BNC
Pulse Voltage	100 to 450 V (in 10 V steps)
PRF	1 to 1500 Hz
Gain Range	100 dB (0.1 dB steps)
Bandwidth	200 kHz to 22 MHz
Display	TFT 8.4"
Signal Enhancement	Digital filters, smoothing, contouring, rejection, averaging
Architecture	2 channels
Digitizing Frequency	50 MHz, 100 MHz, 200 MHz
Maximum A Scan Length	8192
Supported Scans	A, B, C-Scan, Merged & TOFD
Number of Scans	Up to 2
Number of Layouts	18
Measurements	Path length, depth, surface distance, DAC, AWS, DGS, TGS
File Size	Up to 3 GB
Report Generation	Customisable pdf report, PNG screen capture, CSV file output option
Encoder	1 or 2 axis (quadrature input)
Languages	English, German, French, Spanish, Russian, Chinese, Hungarian, Italian, Portuguese, and Japanese
Battery Life	7 Hrs
IP rating	IP66

Standards & Guidelines	Description
FOCT 14782	
FOCT 55724	
EN 12668-1	

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