

## Flaw Detection

## **FD100 UT ⚠**

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



## **Upgrade-ready**

The Proceq Flaw Detector 100 can be upgraded with the Ultrasonic Time of Flight Diffraction (TOFD) and Phased Array (PA) modes anytime and anywhere, even on-site.



## **Precision**



**Interactive** 

It offers outstanding, powerful hardware, a true square wave pulser, 200MHz digitizing frequency, broad system bandwidth from 200 kHz to 20 MHz, and twin axis encoding to offer users an extremely comprehensive measurement solution.

With a built-in 3D beamtool showing the part, weld, wedge, probe, scan coverage, and a real-time interactive ray-tracer which plots the beam path and indication location directly in the part. This powerfully helps assess and communicate the indication location easily.





Configuration	2 UT Channels
Transducer Socket	Lemo 1 or BNC
Pulse Voltage	100 to 450 V (square pulse)
PRF	1000 to 1500 Hz
Gain Range	100 dB (0.1 dB steps)
Bandwidth	0.2 - 22 MHz
Display	TFT 8.4"
Signal Enhancement	Digital filters, smoothing, contouring, rejection, averaging
Architecture	2 channels, true 200 MHz sampling rate
Digitizing Frequency	50 MHz, 100 MHz, 200 MHz
Supported Scans	A, B, C, Top and End
Number of Scans	Up to 2
Number of Layouts	18
Number of Layouts  Measurements	18 Path length, depth, surface distance, DAC, AWS, DGS
•	Path length, depth, surface distance, DAC,
Measurements	Path length, depth, surface distance, DAC, AWS, DGS
Measurements File Size	Path length, depth, surface distance, DAC, AWS, DGS Up to 3 GB Customisable pdf report, PNG screen
Measurements File Size Report Generation	Path length, depth, surface distance, DAC, AWS, DGS Up to 3 GB Customisable pdf report, PNG screen capture, CSV file output option
Measurements File Size Report Generation Encoder	Path length, depth, surface distance, DAC, AWS, DGS  Up to 3 GB  Customisable pdf report, PNG screen capture, CSV file output option  1 or 2 axis (quadrature input)  English, German, French, Spanish, Russian, Chinese, Hungarian, Italian, Portuguese, and
Measurements File Size Report Generation Encoder Languages	Path length, depth, surface distance, DAC, AWS, DGS  Up to 3 GB  Customisable pdf report, PNG screen capture, CSV file output option  1 or 2 axis (quadrature input)  English, German, French, Spanish, Russian, Chinese, Hungarian, Italian, Portuguese, and Japanese

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





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