



## Flaw Detection FD100 PA 16:64

Metal and composite flaw detection using ultrasound



### Compatibility

Proceq offers the possibility to order customized accessories such as probes, wedges and calibration blocks so that our solution is tailor-made to your need.



### Ease of use

Plug-and-play compatibility with a wheel probe for fast and efficient corrosion mapping or large composites inspection.



### Productivity

C-scans can be displayed in amplitude or depth. With merged C-scans, data is displayed for all inspection passes in the same view.



## Tech Specs

<b>Display</b>	TFT 8.4"
<b>File Size</b>	Up to 3 GB
<b>Report Generation</b>	Customisable pdf report, PNG screen capture, CSV file output option
<b>Encoder</b>	1 or 2 axis (quadrature input)
<b>Languages</b>	English, German, French, Spanish, Russian, Chinese, Hungarian, Italian, Portuguese, and Japanese



## Instrument Tech Specs

<b>Configuration</b>	2 UT & 1 I-PEX Channels
<b>Transducer Socket</b>	Lemo1 - BCD I-PEX
<b>Pulse Voltage</b>	25 to 75 V (in 5 V steps)
<b>PRF</b>	1 to 5000 Hz
<b>Gain Range</b>	PA: 76 dB (0.1 dB steps) UT 200 KHz to 22 MHz
<b>Bandwidth</b>	PA: 200 KHz to 14 MHz UT 200 KHz to 22 MHz
<b>Display</b>	TFT 8.4"
<b>Signal Enhancement</b>	Digital filters, smoothing, contouring, rejection, averaging
<b>Architecture</b>	16 active, multiplexed over 64 channels
<b>Digitizing Frequency</b>	65 MHz
<b>Focal Laws</b>	128
<b>Maximum A Scan Length</b>	4096
<b>Supported Scans</b>	A, B, C, L, S-Scan, Merged, true Top & End
<b>Number of Scans</b>	1 (with up to 3 extracted A scans)
<b>Number of Layouts</b>	35
<b>Measurements</b>	Path length, depth, surface distance, DAC, AWS, DGS, TGS
<b>File Size</b>	Up to 3 GB
<b>Report Generation</b>	Customisable pdf report, PNG screen capture, CSV file output option
<b>Encoder</b>	1 or 2 axis (quadrature input)
<b>Languages</b>	English, German, French, Spanish, Russian, Chinese, Hungarian, Italian, Portuguese, and Japanese
<b>Battery Life</b>	6 Hrs
<b>IP rating</b>	IP66

Standards & Guidelines	Description
ГОСТ 14782	
ГОСТ 55724	
EN 12668-1	
ISO 18563-1	

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