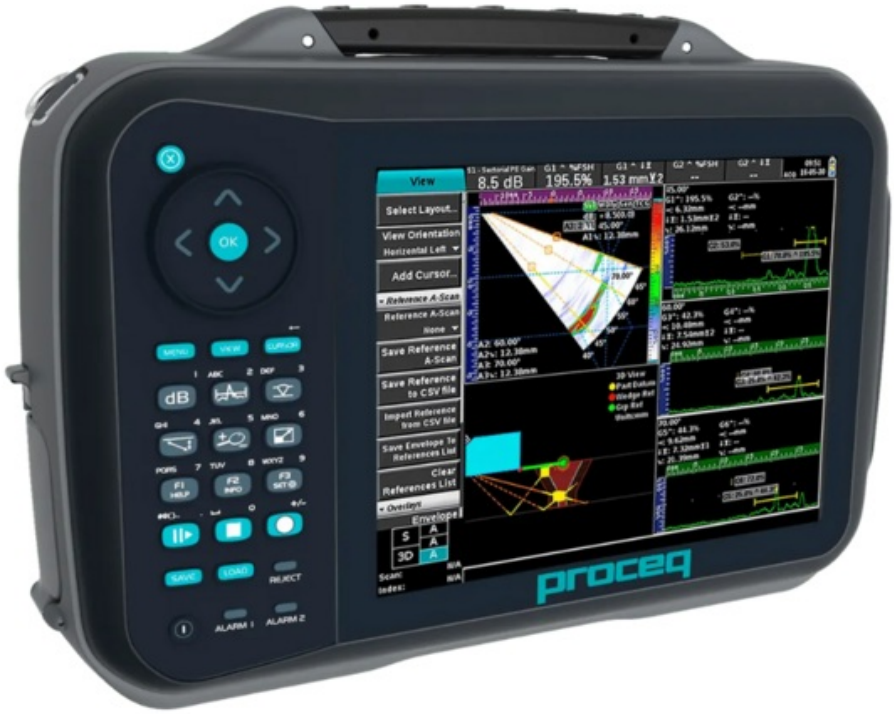

Flaw Detection

FD100 PA 16:16

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

Performance

High level of performance for conventional portable flaw detection with the power of phased array The same software workflow between modules makes the learning phased array familiar, easier, and quicker.

Versatility

Comprehensive imaging capabilities cover many applications including; A, B, C, S, True Top, and End scans.

Productivity

The 3D scan plan helps to visualize the phased array beam coverage in the component. It also shows the defect position using the 3D toolset to create valuable images.

Software / Workspace App

Processing Unit / Sensor

Configuration	2 UT & 1 I-PEX Channels
Transducer Socket	Lemo1 - BCD I-PEX
Pulse Voltage	25 to 75 V (in 5 V steps)
PRF	1 to 5000 Hz
Gain Range	76 dB (0.1 dB steps)
Bandwidth	PA: 200 KHz to 14 MHz UT 200 KHz to 22 MHz
Display	TFT 8.4"
Signal Enhancement	Digital filters, smoothing, contouring, rejection, averaging
Architecture	16 active channels
Digitizing Frequency	65 MHz
Focal Laws	128
Maximum A Scan Length	4096
Supported Scans	A, B, C, L, S-Scan, Merged, true Top & End
Number of Scans	1 (with up to 3 extracted A scans)
Number of Layouts	35
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	6 Hrs
IP rating	IP66

SWISS MADE