



## 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.



#### Tech Specs

Display	TFT 8.4"
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



#### Instrument Tech Specs

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		

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





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