



## 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

|                   |  |
|-------------------|--|
| 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<br>I-PEX   |
| Pulse Voltage         | 25 to 75 V (in 5 V steps)  |
| PRF                   | 1 to 5000 Hz   |
| Gain Range            | PA: 76 dB (0.1 dB steps)   |
| Bandwidth             | PA: 200 KHz to 14 MHz<br>UT 200 KHz to 22 MHz  |
| Display               | TFT 8.4"   |
| Signal Enhancement    | Digital filters, smoothing, contouring, rejection, averaging                                     |
| Architecture          | 16 active, multiplexed over 64 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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