

proceq

Advanced Ultrasonic Proceq Flaw Detector 100



Interactive

Flexible High Performance

Affordable high tech

- “See” more with true voltage: 450 volts delivered to probe
- Bandwidth down to 200 kHz for testing attenuative materials
- Including true top view and DGS flaw sizing technique
- Sensitive amplifiers can make TOFD inspections possible without a preamp
- All models have 2 axis encoding

Excellent software and reporting

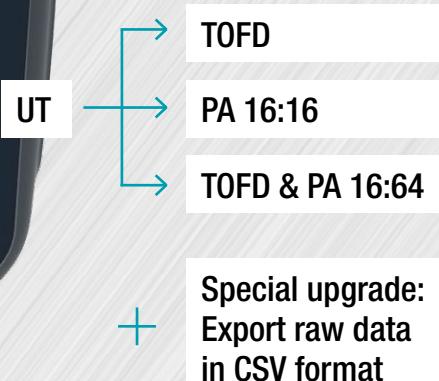
- Wizards and option specific help for fast configurations
- 3D scan plans assist in creating inspection procedures and analyzing the results
- Save and re-use settings
- Seamless connectivity between instrument and PC software
- Lateral Wave Removal functionality for TOFD

Rugged and compact

- Robust IP 66 housing
- Lightweight for single hand operation
- Protected connections: 2x USB, 1x Ethernet



Upgrade anytime,
anywhere on-site



Built for Demanding Environments



Unmatched User Experience



Fully compatible with a very wide range of conventional and phased array probes

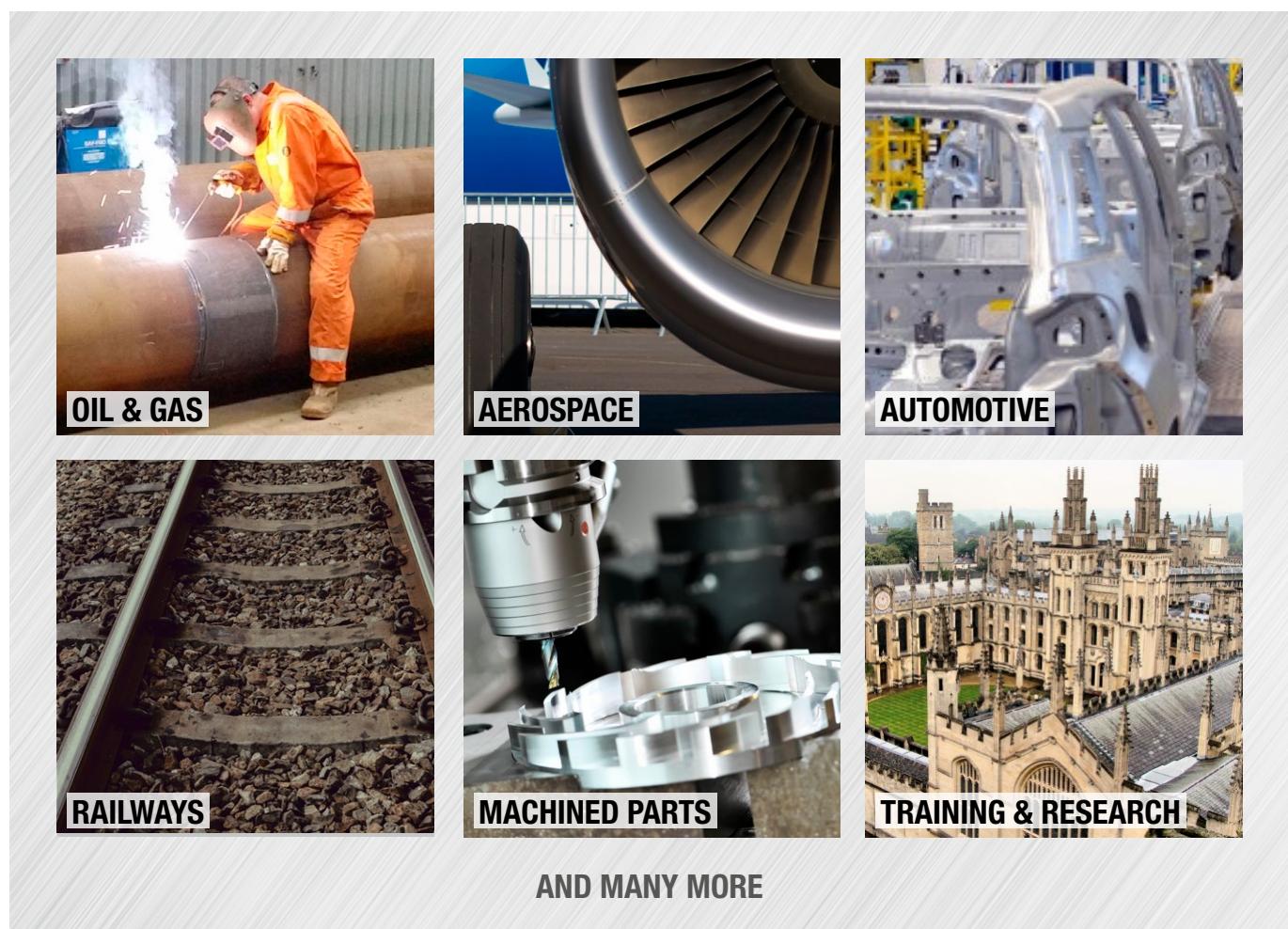


Applications and Industries

Proceq's advanced ultrasonic flaw detector offers technicians an extremely comprehensive measurement solution. All popular flaw sizing techniques such as DGS, DAC, AVG, TGC and AWS are included. Thanks to the A, B, C, True Top and End scans imaging capabilities, users can perform many applications:

- General component inspection
- Pipeline welds
- Complex geometries
- forgings and castings
- Aircraft composites delamination
- Corrosion mapping inspection
- On-site thickness profiling

For efficient weld inspection, Proceq is offering both focused and unfocused PA scans.



First Class Service and Support



Fast reaction

Requests are processed
in less than 24 hours



Local support

Regional experts
covering many languages



Efficient service

Seamless repair and
calibration processes



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Technical Information Ordering

	Conventional UT/TOFD	Phased Array (PA)
Measuring	Configuration	2 channels
	Encoder	1 or 2 axis
	Bandwidth	200 kHz to 22 MHz
	Gain range (0.1dB increments)	0 to 76 dB
	Digitizing frequency	50 to 200 MHz
	Supported scans	A, B, C, TOFD, S and L
	Supported views	Merged, True Top and End
	A-scan length	8192 samples
	Pre-processing filters	3 analogue, 10 digital, smoothing
	Sizing curves	DGS, DAC, TGC, AWS
Hardware	Focal laws	128
	Multi group	1 (with up to 4 extracted A-scans)
	Dimensions (HxWxD)	205 mm x 300 mm x 90 mm (8.1 inch x 11.8 inch x 3.5 inch)
	Weight (with battery)	3.5 kg (7.7 lb)
	Display	8.4" 800 x 600 pixel resolution
Software	Operating temperature	-10°C to 45°C (14°F to 113°F)
	Transducer sockets	Lemo or BNC and IPEX (PA)
	Battery life	7 hours
	Data storage	6 GB internal, USB external
	IP rating	IP 66
Languages	Languages	English, German, French, Spanish, Russian, Chinese, Hungarian, Italian, Portuguese English, Japanese, Korean and Chinese
	Special features	IFT, .csv data output, analysis software
	Report generation	Pdf with embedded pdf reader

Ordering Information

792 10 000	Proceq Flaw Detector 100 (Lemo)	792 50 001	Software upgrade to TOFD
792 20 000	Proceq Flaw Detector 100 (BNC)	792 50 002	Software upgrade to PA 16:16
		792 50 003	Software upgrade to TOFD and PA 16:64
		793 50 007	Software upgrade CSV output

Service and Warranty Information

Proceq is committed to providing complete support for each testing instrument by means of our global service and support facilities. Furthermore, each instrument is backed by the standard Proceq 2-year warranty.

Standard warranty

- Electronic portion of the instrument: 24 months
- Mechanical portion of the instrument: 24 months
- Supporting accessories: 3 months

Extended warranty

When acquiring a new instrument, max. 3 additional warranty years including yearly calibration can be purchased for the electronic portion of the instrument. The additional warranty must be requested at time of purchase or within 90 days of purchase.

Subject to change without notice. All information contained in this documentation is presented in good faith and believed to be correct. Proceq SA makes no warranties and excludes all liability as to the completeness and/or accuracy of the information. For the use and application of any product manufactured and/or sold by Proceq SA explicit reference is made to the particular applicable operating instructions.

Proceq SA

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