Advanced Ultrasonic
Proceq Flaw Detector 100

proceq

Interactive

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

UT → TOFD

UT → PA 16:16

UT → TOFD & PA 16:64

+ Special upgrade: Export raw data in CSV format

Built for Demanding Environments

Unmatched User Experience

Click wheel for fast navigation

Grouped options for easy setup, measurement and analysis

Shortcut keys for easy access to common options

Context sensitive help

Customizable screen with selectable layouts

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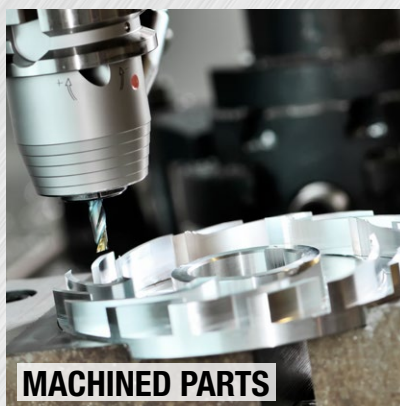
Proceq's advanced ultrasonic flaw detector offers technicians an extremely comprehensive measurement solution. All popular flaw sizing techniques such as DGS, DAC, AVG, TGC and AWS are included. Thanks to the A, B, C, True Top and End scans imaging capabilities, users can perform many applications:

- 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.

OIL & GAS

AEROSPACE

AUTOMOTIVE

RAILWAYS

MACHINED PARTS

TRAINING & RESEARCH

AND MANY MORE

Proceq Flaw Detector 100

First Class Service and Support

Fast reaction
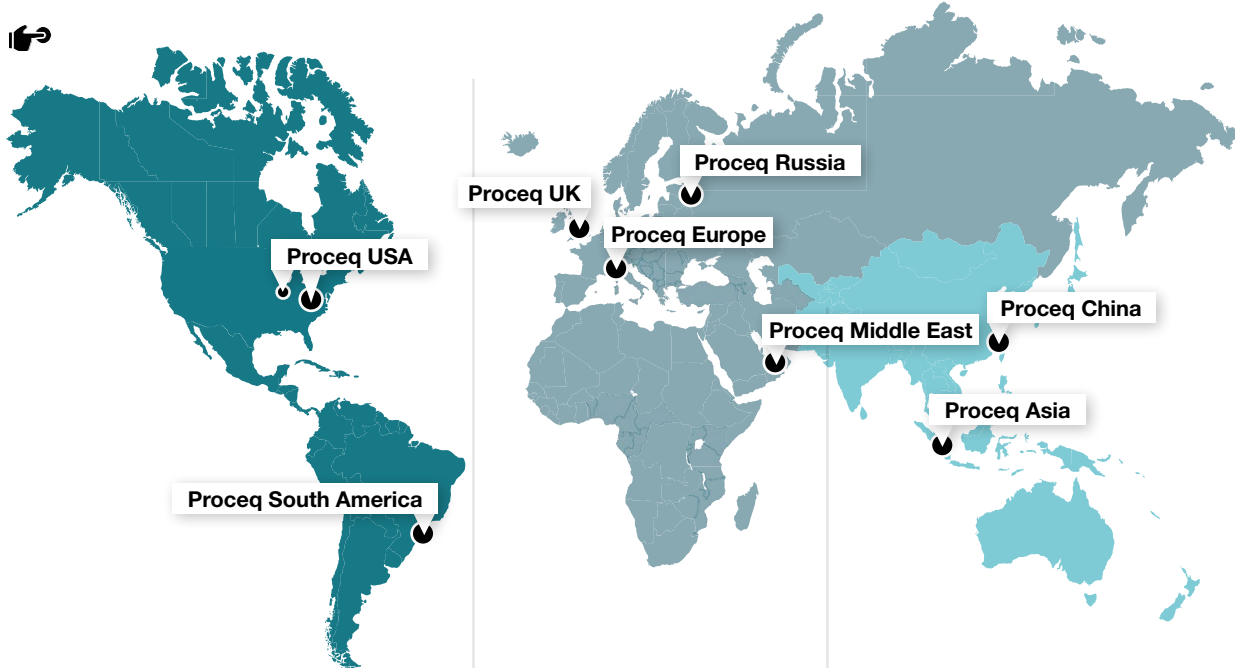Requests are processed in less than 24 hours

Local support
Regional experts covering many languages

Efficient service
Seamless repair and calibration processes

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		Conventional UT/TOFD	Phased Array (PA)
Measuring	Configuration	2 channels	16:16 or 16:64 channels
	Encoder	1 or 2 axis	
	Bandwidth	200 kHz to 22 MHz	200 kHz to 14 MHz
	Gain range (0.1dB increments)	0 to 76 dB	0 to 100 dB
	Digitizing frequency	50 to 200 MHz	65 MHz
	Supported scans	A, B, C, TOFD, S and L	
	Supported views	Merged, True Top and End	
	A-scan length	8192 samples	4096 samples
	Pre-processing filters	3 analogue, 10 digital, smoothing	
	Sizing curves	DGS, DAC, TGC, AWS	
	Focal laws	128	
	Multi group	1 (with up to 4 extracted A-scans)	
Hardware	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	
	Operating temperature	-10°C to 45°C (14°F to 113°F)	
	Transducer sockets	Lemo or BNC and IPEX (PA)	
	Battery life	7 hours	6 hours
	Data storage	6 GB internal, USB external	
	IP rating	IP 66	
Software	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.

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