Sonatest

WAVE

WAVE - Interactive Flaw Detector

Inspect with Confidence

Simplicity | Capability | Reliability

sonatest.com

Interactive Flaw Detector

Next generation technology at your fingertips

What if you could tailor the settings on your UT device and alter it to your own process and people's needs? An instrument where all the useful parameters are pre-set and available in less than two clicks? Now you can. Introducing **WAVE** by Sonatest. It integrates the latest technologies available in order to create a revolution in the ultrasonic non-destructive testing equipment market. Not only is it innovative, but the customisable interface also optimises the daily workflow, and a unique and embedded interactive scan plan, with ray-tracing capability, simulation tools and CAD import capability, consolidates your results. Its wifi capability allows you to access it anywhere in the field, eases data transfer, application installation and manages calibration date and software version.

Mitigate false calls with the new WAVE Interactive Scan Plan

The **WAVE** Interactive Scan Plan has been developed to ease diagnostics on the inspected part. The scan plan can reproduce complex geometries such as curved surfaces and T-Joints. Combined with a real-time Raytracer, this unique feature facilitates the distinction between a real flaw and a geometrical indication, thus avoiding unnecessary repair.

Manage Your Wave with the Wave Companion

The **WAVE** Companion is a software that is included with the **WAVE**. It enables users to manage **WAVE'S** applications, data and can be used to import custom geometries. The communication between the computer and the **WAVE** is only performed by connecting both to the same network. Users can also customize an application's interface by hiding, locking, and moving the tiles (menus) of the **WAVE** to simplify inspection workflow and mitigate errors.

Reach performance & conformity with the Wave Application Concept

The **WAVE** Application Concept combines conformity and performance allowing the operator to customise the user interface according to his/her specific procedure. A lean manufacturing philosophy means less training and long-term financial benefits. The intuitive user interface with an easy to use display will guarantee workflow optimisation as well as preventing potential operational errors.

WAVE UTouch Technology

The Sonatest UTouch Technology allows your device to operate in the same way as a mobile phone. Combined with rugged components and an intelligent algorithm which makes the distinction between couplant and finger, the Sonatest **WAVE** is the first **true** industrial touch-screen device on the market.

WAVE targeted industries

- Aerospace
- Automotive
- Manufacturing
- Forging
- Power Generation
- Oil and Gas

The **WAVE** ultrasonic flaw detector innovative solution is suitable for a wide range of industrial applications from manufacturing to service engineering.

Find out more on how WAVE can bring value to your quality control process at sonatest.com/wave

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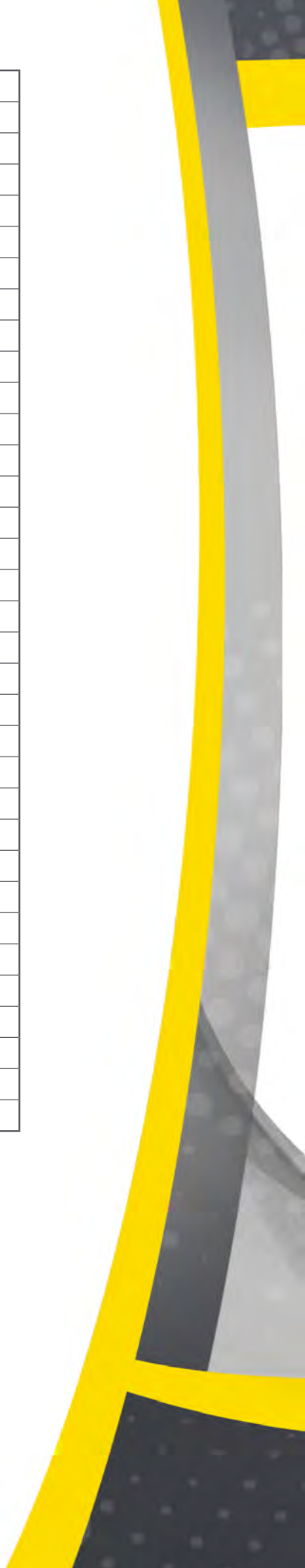
Wave Concept	Wave Applications	Up to 50 Apps
	Wave UTouch Technology	P-CAP Multi Touch
Interactive Scan plan	Crown and Root Geometries	Yes
	Weld Overlay	Yes
	TKY/ Nozzle/ Flange Geometries	Yes
	Curved Surface	Yes
	Live Raytracer	Yes
	Projected A-Scan	Yes
	True Depth on Complex Shapes	Yes
	Custom CAD Import	Yes
Measurements	Gates	4
	IFT	Yes
	DAC/Split DAC	Standard
	TCG	Standard
	AVG/DGS	Standard
	AWS	Standard
	API	Standard
	BEA	Standard
	Curved Surface Correction (CSC)	Standard
	TKY and Complex Shapes	Standard
Transmitter	PRF	1500 Hz
	Pulser (Voltage)	100 to 500 V
Receiver	Gain Range	110 dB
	Bandwidth	0.25 to 30 MHz
	Filters	26 filters
	Signal Averaging	Yes
General	Battery Life	10 Hours
	Display Size (Resolution)	7" wide (1024 x 600)
	Dimensions mm (in)	222 x 174 x 63 (8.7 x 6.8 x 2.5)
	Weight kg (lb)	1,7 (3.7)
	IP Rating	Designed for IP 67
	Operation Temperature	-10°C to 45°C
	Wifi (embedded)	Yes
	Standard	ISO 22232-1



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