Ultrasonic Flaw Detector NOVOTEST UD2303

◄Description of Ultrasonic Flaw Detector NOVOTEST UD2303►

Ultrasonic flaw detector UD2303 is a compact version of an industrial flaw detector with a set of functions and modes that are designed to simplify the routine process of product quality control as much as possible. Shock-resistant aluminum alloy case with a large battery will provide a long service life of the device and ability to be used in adverse conditions.

Ultrasonic Flaw Detector NOVOTEST UD2303 is designed to test the products for the presence of flaws and to measure:

- discontinuity and uniformity of materials, semi-finished products, finished products, and welded joints;
- measurement of the depth and location of flaws;
- measurement of the thickness of the product;
- measurement of the propagation velocity of ultrasonic waves (UW) in the material.

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◄Advantages of Ultrasonic Flaw Detector NOVOTEST UD2303►

- Control the quality of products made of various materials, including: metal, plastic, glass, composite materials and etc.;
- Automatic calibration;
- Intuitive device menu;
- Adjustable excitation pulse generator;
- Saving measurement results and ability to viewing;
- Transfer of archived records to PC;
- DAC, TVG, DGS, AWS, AFS, ASD operating modes;
- Shock-resistant aluminum alloy body;
- Small size;
- Measurement system in mm and imperial system – inches;
- Long battery life of the device – up to 10 hours (up to 20 hours by special order);
- Function of screen rotation;
- Suitable for left-handed people;
- Detection of signals: positive half-wave, radio mode.

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◄Specifications of Ultrasonic Flaw Detector NOVOTEST UD2303►

Gain control range, dB	0 ~ 120
Gain control resolution, dB 0.1; 0.5; 1; 6	0.1; 0.5; 1; 6
Frequency range, MHz	1 ~ 10
Ultrasound velocity range, m/s	1000 ~ 9999
Averaging over the quantity of starts	1 - 128
Thickness accuracy indication	0.01
The range of time corrected gain (TVG), dB	1 ~ 40
TVG points	16
The duration of the excitation pulse to the load, μs	0.0 - 0.5
Scanning range, mm	1 - 1000
Delay of scanning range, μs	0 - 1000
Range of measured time intervals, μs	0 - 1000
Transducer prism delay range, μs	0 - 15
Automatic flaw signaling (AFS) dual-gate	dual-gate
Range of AFS gates setting, μs	0 - 2000
Setting of AFS levels, % of the display height	0 - 100
Signal detection	positive half-wave, radio signal mode
Measurement modes	AFS, TVG, DAC, DGS, AWS
Voltage of and frequency of the power line	220 ±11 V, 50 ±1 Hz
Dimensions of electronic unit, max, mm	165x90x50
Weight of electronic unit, max, kg	0.5
Power supply	the built-in lithium-ion battery
Operating time, h	up to 12
Operating temperature range of electronic unit, °C	-10 - +55
Air humidity, max	95 % (without condensation)

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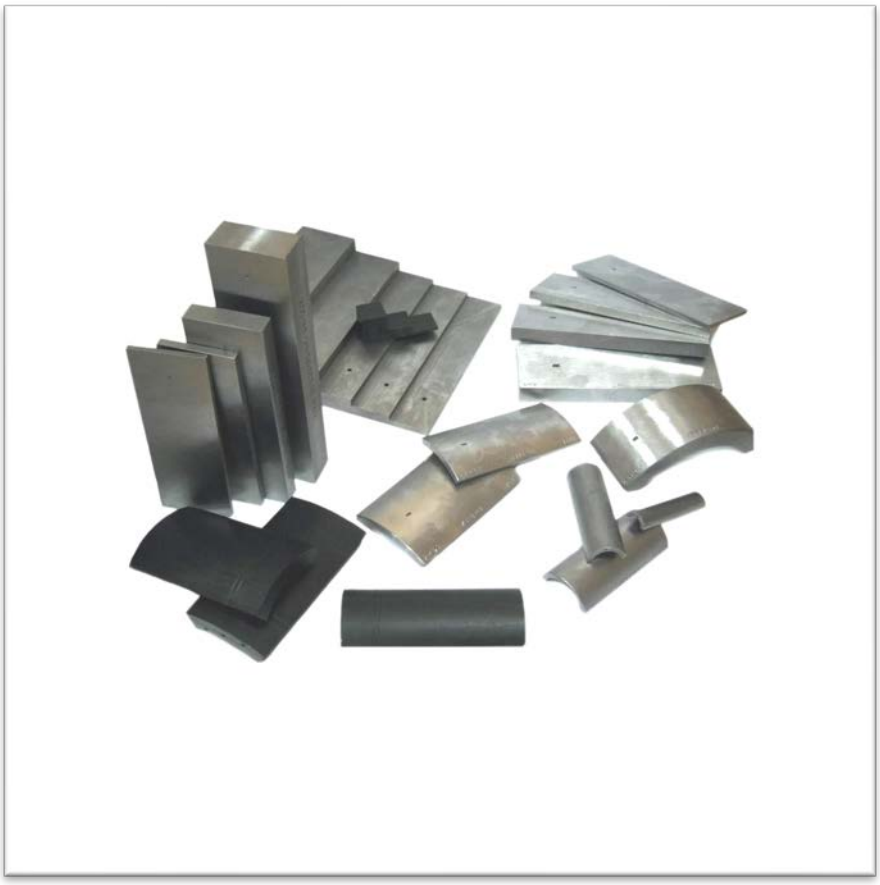
◄Available options of Ultrasonic Flaw Detector NOVOTEST UD2303►

- Additional probes (UT) and cables
- Standard calibration blocks
- Custom calibration blocks
- Couplant (gel)



◄Standard set of Ultrasonic Flaw Detector NOVOTEST UD2303►

- Ultrasonic flaw detector UD2303
- UT-probes – 2 pcs
- Cable Lemo-Lemo – 1 pc
- Charger
- USB cable for PC connection
- PC program (available from site download)
- Operating manual
- Calibration certificate
- Case

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◄Other pictures of Ultrasonic Flaw Detector NOVOTEST UD2303►