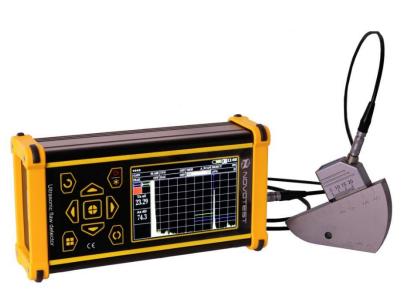


## **Ultrasonic Flaw Detector NOVOTEST UD2303**



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. Shockresistant aluminum alloy case with a large battery will provide a long service life of the device and ability to be used in adverse conditions.

## Specifications

Operating frequency range	from 1 to 10,0 MHz
Range of measured time intervals (duration of scanning)	from 6 to 1000 µs
Velocity range	1000 – 9999 m / s
Error of measurement of time intervals	not exceed $\pm 0,025 \ \mu s$
Maximum permissible error of measurement of the amplitudes of the signals at the receiver input in the range from 0 to 110 dB	not exceed $\pm 0.5$ dB
Testing gain range	126 dB



Averaging over the quantity of starts	from 1 to 128
Range of variation of temporal sensitivity adjustment (TVG)	1-40 dB
Number of control points TVG	16
Duration of the excitation pulse to the load	from 12.5 to 0,5 µs
Scan range	from 8 up to 250 µs (500 and more by special order) or from 0,48mm up to 1500mm (in Steel V=6000m/s) (3000m and more by special order)
Sweep delay range	from 0 up to 1000 µs
Measurement range of time intervals	from 8 up to 250 $\mu s$ (500 and more by special order)
Setting the delay in the prism of the transducer	from 0 up to 15 µs
Deviation of the amplitudes of input signals in the range from 10 to 100% of the screen height not more than	1 dB
Setting a delay in the prism of the probe	from 0 to 15 µs
Automatic signaling of defects (ASD)	Two-zone
Detection of signals	positive half-wave, radio mode
Operating modes	DAC, TVG, DGS, AWS, AFS, ASD
Menu language	English, Russian
Dimensions (W*H*L)	165x90x50 mm



Power Supply	Built-in Li-ion Battery
Time of continuous work, not less than, h	8
Operating temperature range for the electronic unit, ° C	-20 to +40
Air moisture, no more	98 %, at 35 °C
Weight, not more	500 g
Available options   We are recommended to order additional:   • additional probes (UT) and cables   • standard calibration blocks   • custom calibration blocks   • couplant (gel)	

Standard package

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- 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
- Case

