

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.

- Specifications**

Operating frequency range	from 1 to 10,0 MHz
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Range of measured time intervals (duration of scanning)	from 6 to 1000 μ s
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Velocity range	1000 – 9999 m / s
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Error of measurement of time intervals	not exceed $\pm 0,025 \mu$ s
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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
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Testing gain range	126 dB
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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 μ s
Scan range	from 8 up to 250 μ s (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 μ s
Measurement range of time intervals	from 8 up to 250 μ s (500 and more by special order)
Setting the delay in the prism of the transducer	from 0 up to 15 μ s
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 μ s
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

- 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

