



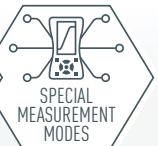
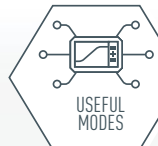
NOVOTEST

Ultrasonic Testing

Ultrasonic Thickness Gauges



ULTRASONIC TESTING



Ultrasonic Thickness Gauge with A-scan UT-2A

That is powerful, lightweight and portable thickness gauge, made in an ergonomic shock-resistant case with rubber protectors – a modern industrial version of a general-purpose thickness gauge. It is an excellent choice for expert ultrasonic testing in the laboratory and the field conditions.

Based on the obtained sound transit time in the material, the device calculates the thickness in accordance with the velocity of propagation of ultrasonic waves in the test sample. The thickness value is displayed on the device's display, the measurement process takes about 1 second.

Another feature of ultrasonic thickness gauges is the control through thinness protective layers such as paint. Making able to control object thickness without any destruction.



USEFUL MODES



A-scan thickness gauge allows visualization of the signal for subsequent analysis by the operator. Making observation by screen of reflected signals it's able to eliminate false triggering, adjust the thickness gauges as correctly and accurately as possible.

B-Scan. Product profile display mode. That mode is making able to visualize profile (section) of tested object to identify rejection.

Control mode. During testing would indicate (thru lights or sound) if measured value deviate above limits. That is makes simplicity in testing operation and decreases ability to making mistakes.



PORTABLE, LIGHT WEIGHT AND SHOCK RESISTANT



Ultrasonic thickness gauge is lightweight device, which will facilitate control both in difficult conditions in the field same as for production shops, special rubberized housings will protect against accidental drops.



EASY-TO-USE INTERFACE

That type of device would be appropriate even for unskilled user with auto measurement mode, the same as at initial devices. The digital values of thickness are displayed as large font on the screen and needless to adjustment by manual settings.



SPECIAL MEASUREMENT MODES

For professional users, the device implements manual modes of thickness measurement by all major methods:

ECHO with adjustable gate (place of measurement).

ECHO-ECHO (DUAL ECHO) – the method allows user to measure the thickness of the metal under the coating, without polishing.

PEAK-PEAK – the method is similar to ECHO-ECHO with the difference that the trigger moment is calculated not by the crossing of zero, but by the maximum of the signals in the gate.



ULTRASONIC THICKNESS GAUGE NOVOTEST UT-1M

is used for operational non-destructive testing of the thickness of products with one-way access, at the moment this method is the most common in the world for solving such tasks. Main point – friendly interface, wide range of measurement and useful modes.



ULTRASONIC THICKNESS GAUGE NOVOTEST UT-1M-IP

Special version of ultrasonic thickness gauge, it is designed to measure the thickness of various materials and products for one-way access in difficult climatic conditions – in dusty rooms, in high humidity, in the rain – when the use of a conventional ultrasonic thickness gauge is impossible.



ULTRASONIC THICKNESS GAUGE NOVOTEST UT-1M-ST

Version of the thickness gauge in a metal enclosure, which is designed for extreme operating conditions, when there is a possibility of the device dropping or other damage of the unit during operation. The durable aluminum body's profile withstands high static and dynamic compression loads, which allows the operator to use the device "carelessly".

Specification of Ultrasonic Thickness Gauges

	UT-2A	UT-1M	UT-1M-IP	UT-1M-ST
Measuring thicknesses range for steel, mm	0.4 – 1000			
Resolution, mm	0,01			
Ultrasound velocity adjustment range, m/s	700-17000			
Operating modes	A-scan B-scan Digital mode Control mode Manual mode	B-scan, Control mode, Statistic		
Response time, with no more than, s	1			
Measurement methods	Echo Echo-Echo (Dual Echo) Peak-peak	Echo, Echo-Echo (Dual Echo)		
Display	Colour, 3.5 inch 480 * 320	Monochrome, 128*64		
Menu Language	English, Russian			
Weight of the electronic unit, not more, kg	0.5	0.25	0.4	0.25
Dimensions (L x W x H)	165x90x50mm	122x76x37	160x89x27	130x90x40
Time of continuous work, not less than, h	10 (up to 20 by special order)	10	15 (up to 200 by special order)	10
Operating temperature range for the electronic unit, ° C	-20 to +40			
Air moisture, no more	98 %, at 35 °C			



STANDARD PACKAGE

Electronic unit
 Probe 1 pc
 AA batteries*
 Lemo-Lemo cable
 Cable for PC
 Charger
 Operating manual
 Case

* for UT-1M, UT-1M-IP, UT-1M-ST

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 **NOVOTEST**
 QUALITY TESTING DEVICES