

# Ultrasonic Thickness Gauge

## NOVOTEST UT-1M-ST



### ◀ Description of Ultrasonic Thickness Gauge NOVOTEST UT-1M-ST ▶

A special version of the UT-1M ultrasonic thickness gauge in a sturdy metal case made of aluminum alloy. As a rule, thickness gages in metal cases are used where other devices simply do not survive - at metallurgical enterprises, field laboratories, etc.

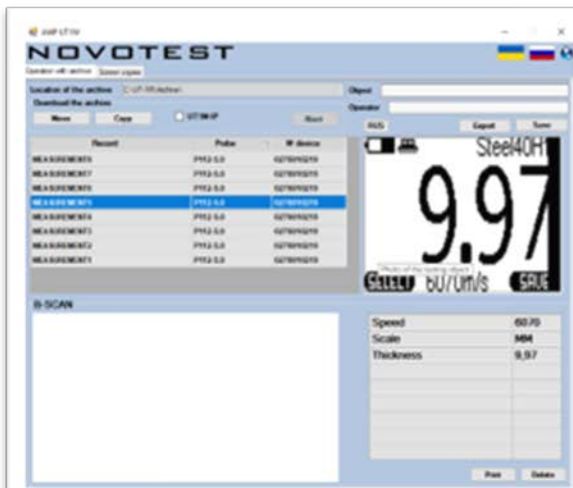
Ultrasonic method is appropriate for measuring the thickness:

- ☐ products made of various metals, alloys and other materials;
- ☐ glass, plastic, composite and other products from non-metallic materials;
- ☐ the walls of the tanks, pipes, casing parts, sheets, overhead, and other structures, including the corroded surfaces, pitted, with scum, etc.;
- ☐ products during their production and operation;
- ☐ metal products for diagnostic and expert work with one-side access to the tested object.



## ◀ Advantages of Ultrasonic Thickness Gauge NOVOTEST UT-1M-ST ▶

- ❑ Unique additional protection of metal housing;
- ❑ Saved data can be transmit to PC;
- ❑ Material selection and automatic setting of ultrasound velocity;
- ❑ Large graphic display of high contrast and backlight;
- ❑ Mode "ECHO-ECHO" (Through-coating) allows to measure through paint (*new*);
- ❑ Display of measured thickness in mm and inches;
- ❑ Convenient menu in the device;
- ❑ Wide choice of UT probes with preset settings in the device;
- ❑ Modes of statistical processing of measurements;
- ❑ Ability to restore factory calibrations;
- ❑ Ability to adjust all parameters of the acoustic path;
- ❑ Ability of further adjusting the user gain directly from the measurement mode;
- ❑ Wide range of testing;
- ❑ Mode of audible and visual alarm when break the preset ranges.



### ◀ Specifications of Ultrasonic Thickness Gauge NOVOTEST UT-1M-ST ▶

Range of measured thicknesses (depending on the probe's type), mm	0,8 ... 500 or more
Setting range of ultrasound velocity, m/s	1000-17000
Resolution, mm	0,01
Response time, with no more than, s	1
Basic measurement accuracy, mm	$\pm(0,01T+0,05)$
Modes, mm	Normal, Statistic, ECHO, ECHO-ECHO (Through-Coating)
Operating temperature range, ° C	From -20 to + 40
Power supply	2 pcs AA batteries
Time of continuous work hours, not less, h	10
Weight of electronic unit with battery, no more, kg	0,2
Interface language and menu	English, Spanish, Russian

### ◀ Available options of Ultrasonic Thickness Gauge NOVOTEST UT-1M-ST ▶

- ☐ Couplant
- ☐ UT probes
- ☐ "ECHO-ECHO" (Through-Coating) probes
- ☐ Calibration blocks



### ◀ Standard set of Ultrasonic Thickness Gauge NOVOTEST UT-1M-ST ▶

- ☐ Electronic unit Ultrasonic Thickness Gauge NOVOTEST UT-1M-ST
- ☐ UT probe – 1 pc. (depends on the desired range of controlled thickness)
- ☐ 2 AA batteries
- ☐ Charger of batteries
- ☐ USB Cable for PC
- ☐ Calibration certificate
- ☐ Operating manual
- ☐ Case



◀ **Other pictures of Ultrasonic Thickness Gauge  
NOVOTEST UT-1M-ST** ▶

