

Ultrasonic Thickness Gauge

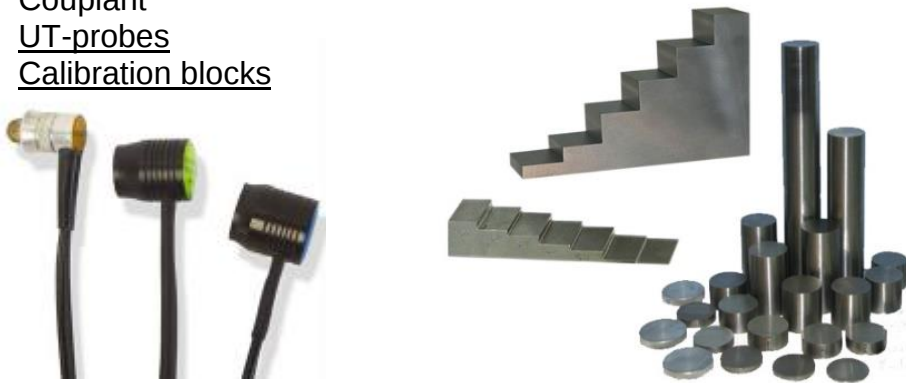
NOVOTEST UT-3A-EMA

EMA TECHNOLOGY!

THROUGH-COATING TESTING!

Name	Ultrasonic Thickness Gauge NOVOTEST UT-3A-EMA
Photo	

Purpose	NOVOTEST UT-3A-EMA is designed to measure thickness of objects, such as pipes, tanks, sheet products, ship bottoms and other parts, made of metals and alloys, without application of couplant and advance surface preparation, through air gap or a layer of rust, dirt, salt or other non-conductive coatings (paint, varnish, enamel, plastic, etc.) up to 6 mm. Also it is used for evaluation of anisotropy degree of the material. Pulsed electro - magnetic technology implemented in the EMA transducers allows user to put the probe not exact perpendicular to the surface, but up to 25 degrees of skew and get correct readings.  
Standards	
Advantages	○ Thickness measurement (steel) – 2...60 mm ○ Convenience and easy in operation ○ Probe type selection ○ Preset velocity of ultrasound (1000 – 9999m/s) with 1 m/s step ○ Without application of couplant and advance surface preparation, through air gap or a layer of rust, dirt, salt or other non-conductive coatings (paint, varnish, enamel, plastic, etc.) up to 6 mm ○ Allows user to put the probe not exact perpendicular to the surface, but up to 25 degrees ○ Acoustic contact indication on the graphic display ○ Fixation of the last measurement result in the removal of the transducer surface ○ Power supplied by standard AA batteries ○ Shock-resistant housing with a protective silicone bumper-case ○ The device has a bright contrast LCD display ○ A-scan, B-scan, calibration settings ○ Three thickness measurement modes: • Automatic • Manual mode, measurements are made using maximum in the first gate • Manual mode, measurements are made using two maximums in two gates

Standard set	○ Electronic unit Ultrasonic Thickness Gauge ○ Transducer (probe) – 1 pc (depends on the desired range of controlled thickness) ○ 2 AA batteries ○ Charger ○ Cables ○ Calibration certificate ○ Operating manual ○ Case 																										
Specification	<table border="1"> <tr> <td>Measuring thicknesses range for steel, mm</td><td>2.0...60.0</td></tr> <tr> <td>Basic measurement accuracy, mm</td><td>0.04</td></tr> <tr> <td>Permissible gap between device and testing object, mm</td><td>Up to 6</td></tr> <tr> <td>Permissible probe vertical deviation to the testing surface normal, grad</td><td>±25</td></tr> <tr> <td>Notional sensitivity</td><td>Flat-bottomed hole in diameter of 9 mm</td></tr> <tr> <td>Minimal curvature radius of testing surface, mm</td><td>≤10</td></tr> <tr> <td>Maximum measurements per second</td><td>16</td></tr> <tr> <td>Setting range of the ultrasonic velocity, m / s</td><td>1000-9999 with 1m/s step</td></tr> <tr> <td>Operating oscillation range, MHz</td><td>3...5</td></tr> <tr> <td>Excitation wave type</td><td>Transverse wave, radial-polarized wave in surface plane of testing object</td></tr> <tr> <td>Time of continuous work hours, not less, h</td><td>6</td></tr> <tr> <td>Overall dimensions, mm</td><td>232x135x44</td></tr> <tr> <td>Operating temperature range, ° C</td><td>-20 to +50</td></tr> </table>	Measuring thicknesses range for steel, mm	2.0...60.0	Basic measurement accuracy, mm	0.04	Permissible gap between device and testing object, mm	Up to 6	Permissible probe vertical deviation to the testing surface normal, grad	±25	Notional sensitivity	Flat-bottomed hole in diameter of 9 mm	Minimal curvature radius of testing surface, mm	≤10	Maximum measurements per second	16	Setting range of the ultrasonic velocity, m / s	1000-9999 with 1m/s step	Operating oscillation range, MHz	3...5	Excitation wave type	Transverse wave, radial-polarized wave in surface plane of testing object	Time of continuous work hours, not less, h	6	Overall dimensions, mm	232x135x44	Operating temperature range, ° C	-20 to +50
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Available options	○ Couplant ○ <u>UT-probes</u> ○ <u>Calibration blocks</u> 																										
Warranty	Standard 3-year warranty. Extended warranty up to 5 years is also available																										
Payment	100% in advance. TT, WU, PayPal, Credit card																										
Delivery	CIP, FCA etc. DHL, TNT, FedEx, UPS etc. Shipment - within 1 week																										
Discounts	Up to 36% for dealers																										

MEDIA:

Company info:

Our company **NOVOTEST** designs and manufactures instruments for **NON-DESTRUCTIVE QUALITY TESTING**. We are located in Ukraine, 5 Spasskaya str., Novomoskovsk.

NOVOTEST produces instruments for measuring a wide range of parameters and quality control for the majority of products:

- metal [hardness](#) of various types;
- [coatings thickness](#);
- ultrasonic [flaw detectors](#);
- ultrasonic [thickness gauges](#);
- instruments for [magnetic testing](#);
- [construction materials](#) quality monitoring instruments;
- [environmental control](#) equipment and many other devices.

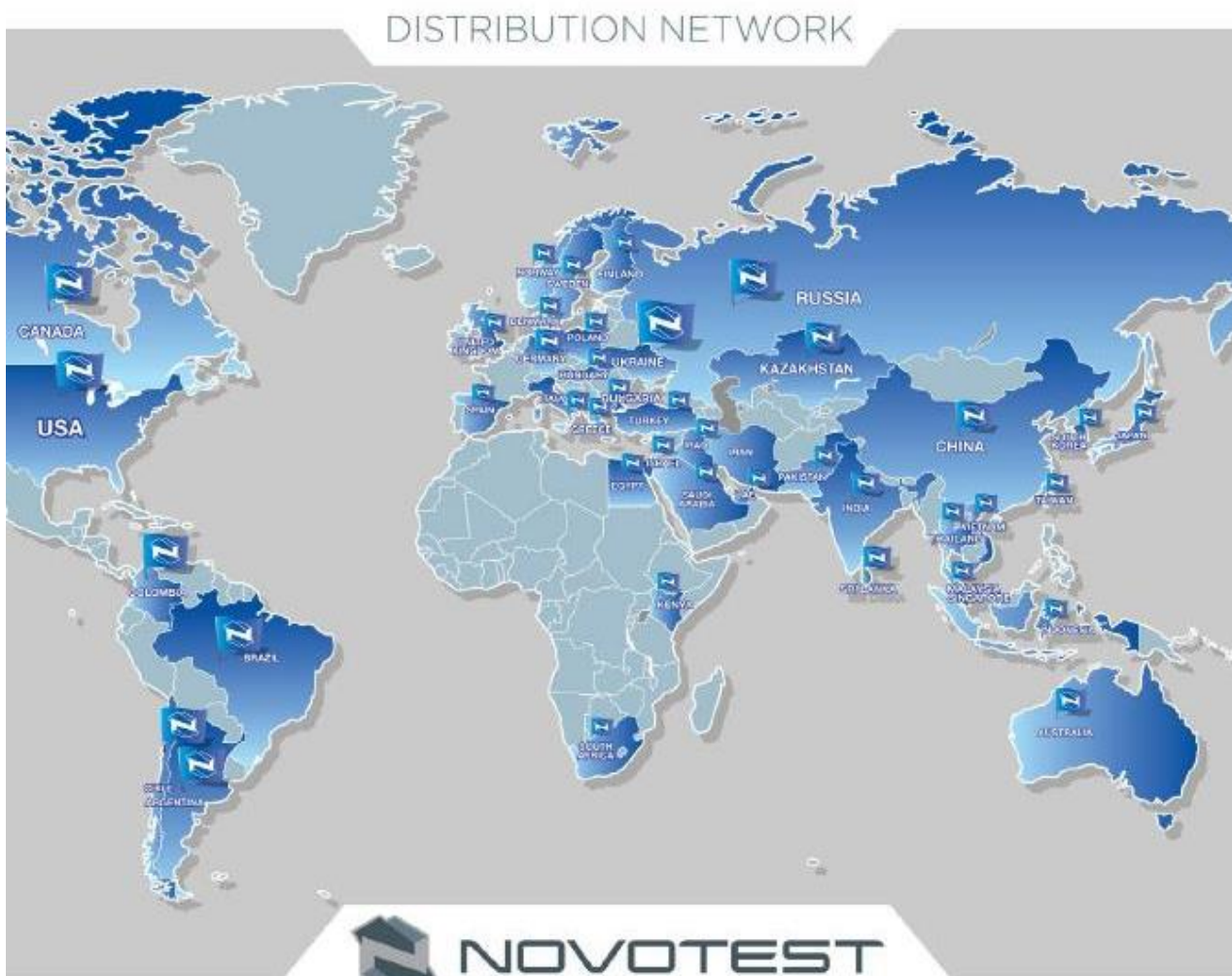


Our benefits:

- More than 10 years on NDT market;
- Leading manufacturer of NDT devices in Ukraine;
- Representative offices in more than 30 countries around the world;
- All our devices are covered by standard 3-year warranty. Extended warranty up to 5 years is also available;
- Powerful development center;
- Constant expansion of the product range;
- Manufacturing customized NDT systems;
- Solutions for non-standard NDT tasks;
- After-sales service and technical support;
- Individual approach for cooperation with dealers.

For any information, please feel free to contact us!

We will be glad to answer for any questions!



5, Spasskaya Street,
Novomoskovsk, 51200, Ukraine

E-mail: sales@novotest.biz

Skype: novotest_world

Phone: +380 (67) 593 59 77

+380 (56) 767 20 21

Fax: +380 (56) 935 87 44

www.novotest.biz

