



NOVOTEST

QUALITY TESTING DEVICES

Coating Thickness Gauge NOVOTEST TP-1M

Portable Coating Thickness Gauge
NOVOTEST TP-1M – device for operative
non-destructive testing of coating thickness
with high measurement accuracy.



FOR
METAL
BASES



Coating thickness gauge is designed to test:

- ✓ thickness of various thick protective coatings on various metals and alloys;
- ✓ thickness of paint and other dielectrics – mastic, teflon, plastic, radioabsorbing, electroplating coatings on steel;
- ✓ thickness of electroplating and paint coatings on non-ferromagnetic alloys and non-ferrous metals;
- ✓ thickness of bitumen and other thick coatings on various metals and alloys;
- ✓ as well as relative humidity, air temperature, surface temperature, dew point temperature and difference between surface and dew point temperatures, estimate the depth of grooves and the surface roughness

The advantages of Coating Thickness Gauge NOVOTEST TP-1M

- ✓ Large thickness measurement range
- ✓ Convenience and ease in operation
- ✓ Minimum number of controls:
one button – one function
- ✓ Graphical display with backlight
- ✓ Automatic recognition of probe
- ✓ Indication of the connected probe type
- ✓ Control of batteries

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Specifications of Coatings Thickness Gauge NOVOTEST TP-1M

The range of measured thicknesses (depending on sensor type)	0 µm ... 60 mm
Overall dimensions, mm	120x60x25
Operating temperature range, °C	-5 ... +40 °C
Batteries	2 AAA
Time of continuous work hours, not less	20
Weight of electronic unit with battery, no more, kg	0.2

Specifications of probes for Coating Thickness Gauge NOVOTEST TP-1M

Dielectric and conductive coatings on ferromagnetic metals and alloys			
Type of probe	The coating thickness range	The measurement accuracy	Dimensions of the probe, mm
probe F-0,3	0-300 µm	± (3% ± 1 µm)	Ø5x40
probe F-0,5	0-500 µm	± (3% ± 1 µm)	Ø 7x14
probe F-2	0-2000 µm	± (3% ± 2 µm)	Ø 9x35
probe F-5	0-5000 µm	± (3% ± 2 µm)	Ø 18x35
Coating on the non-magnetic metals (Dielectric coatings on non-ferrous metals and alloys)			
probe NF-0,5	0-500 µm	± (3% ± 2 µm)	Ø 12x35
probe NF-2	0-2000 µm	± (3% ± 2 µm)	Ø 12x35
Thick coatings on metals (dielectric coatings on metals)			
probe M-12	0-12 mm	± (3% + 0.002 mm)	Ø 15x50
probe M-30	1-30 mm	± (3% + 0.003 mm)	Ø 40x50
probe M-60	1-60 mm	± (3% + 0.005 mm)	Ø 70x60
Measurement of surface roughness, Rz (After Abrasive blasting pre-painting work)			
probe DSH	2-360 µm	± (3% ± 2 µm)	Ø 12x45
Temperature, humidity and dew point			
probe DT	-50 ... +125 °C	+ / - 1 °C	Ø 15x45
probe DTVR	Humidity: 0 - 100% Temperature: -50 ... 125 °C Dew point: -15 - +40 °C	± 5% ± 1 °C ± 2 °C	Ø 15x120

Standard set of Coating Thickness Gauge NOVOTEST TP-1M

- ✓ Thickness gauge electronic unit
- ✓ Set of reference thickness samples
- ✓ AAA batteries – 2pcs
- ✓ Charger
- ✓ Operating manual
- ✓ Case

Available options for ordering of Coating Thickness Gauge NOVOTEST TP-1M

- ✓ Additional probes for thickness gauge (depends on requirements)
- ✓ Set of reference thickness samples
- ✓ Batteries
- ✓ Charger

Ultrasonic Thickness Gauge NOVOTEST UT-1



Ultrasonic Thickness Gauge NOVOTEST UT-1 is designed for rapid non-destructive thickness testing of:

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

The advantages of Ultrasonic Thickness Gauge NOVOTEST UT-1

- ✓ Wide range of measuring thicknesses
- ✓ Convenience and ease in operation
- ✓ Minimum number of controls
- ✓ Select the type of probe through single button
- ✓ Preset velocity of ultrasound
- ✓ Graphical display with backlight
- ✓ Control of the batteries
- ✓ Compensation of probe delay
- ✓ Mapping the presence of acoustic coupling on the graphic display
- ✓ Fixation of the last measurement result in the removal of the transducer surface

Specifications of Ultrasonic Thickness Gauge NOVOTEST UT-1

Measuring thicknesses range (depends on probe type), mm	0.8 ... 300
Setting range of the ultrasonic velocity, m / s	1000-9999
Discrete readings on the digital indicator, mm	0.1
Response time, with no more than	2
Basic measurement accuracy, mm	$\pm (0,001 T \pm 0,1)$
Overall dimensions, mm	120x60x25
Operating temperature range, °C	-5 to +40
Power supply	2 AAA batteries
Time of continuous work hours, not less, h	10
Weight of electronic unit with batteries, no more, kg	0.2

Standard set of Ultrasonic Thickness Gauge NOVOTEST UT-1

- ✓ Electronic unit
- ✓ 2 pcs AAA batteries
- ✓ Operating manual
- ✓ Transducer (probe) - 1 pc
- ✓ Charger
- ✓ Case

Available options for ordering of Ultrasonic Thickness Gauge NOVOTEST UT-1

- ✓ Couplant
- ✓ UT-probes
- ✓ Reference blocks

