

HARDNESS Testing



UCI Hardness Tester NOVOTEST T-U3

Ultrasonic contact-impedance (UCI) probe is used for measurement of hardness of small products, objects with a thin wall, complex shapes with thickness from 1 mm and weight over 0,1 kg, for measuring the hardness of hardened layer's surface.

UCI Hardness Tester NOVOTEST T-U3 uses ultrasonic contact-impedance method of measuring hardness standardized according to **ASTM A1038**.

The method allows making measurements very fast and easy: install the probe, load the spring for indentation the indenter with necessary load, read the hardness value on the device's display.



There are available UCI probes with different loads: 10N, 50N, 98N for hardness testing of different surface finish products.



The using of diamond indenter allows setting the probe precisely in any tiny point. The depth of the imprint left by Hardness tester T-U3 is many times smaller than imprint left by standard Rockwell hardness tester, which makes this method of measuring the least destructive.

These advantages make Hardness tester T-U3 perfectly suitable for solving the following tasks: hardness measurements of products with complicated shape, fine-grained materials, heat-treated materials, thin layers and coatings, parts with surface hardening, thin-walled pipes, the small details, etc.