

## ULTRASONIC HARDNESS TESTER

Designed for rapid non-destructive testing of hardness:

1. metals and alloys on standardized international scales of hardness: Rockwell (HRC), Brinell (HB), Vickers (HV);
2. metals with distinctions in properties of steel (e.g., non-ferrous metals, alloys of iron and others) and using five additional scales for calibration;
3. use of the scale of tensile strength (Rm) for determining the tensile strength of carbon steel products pearlitic by automatically converting from the scale of hardness Brinell (HB).



- UCI probe
- Testing of products with thickness over 1mm
- Wide range of hardness value
- Ease in operation
- Minimum number of imprints
- Automatic recognition of probe
- Graphical display with backlight
- Control of the batteries
- New, intuitive menu with tips on the buttons
- Extended temperature range (cold-resistant, down to -20 °C)
- Internal memory and connection with PC
- Rubber protective housing-case

Code	1804-5005
UCI probe types	1kgf (10N) 2.2 lbf, 5kgf (50N) 11lbf
Indenter	UCI (diamond indenter)
Measuring direction	Any direction 360°
Measurement hardness range	- Rockwell, HRC 20 - 70
	- Brinell, HB 90 - 450
	- Vickers, HV 230 - 940
	- temporary resistance (tensile strength) Mpa 370 - 1740
Accuracy	HV+ / - 3%;
	HRC+ / - 1,5%;
Hardness scale	HB+ / - 3%
	HRC, HB, HV, MPa
Materials	- UCI probe - pre-calibrated for steel.
	- Additional custom materials for calibration.
Operating temperature	-20 to +50 °C
Dimension	120x60x25mm
Weight	Weight of electronic unit with batteries, no more than 0.2kg
Power supply	2 AA batteries