

METALTEST



Wireless and pocket tester's version with embedded display and commands

MKII



Tester version with wired support console

PIXEL



Wireless tester's version with embedded display and bluetooth support console.

- Portable Hardness testers conform to standards DIN 50157 and ASTM E110
- Easy to use: push and read, 5 second only for one test cycle
- Hardness testers equipped with an advanced calibrated dynamometric load cell. Load application as bench top hardness testers.
- Accurate measurements on very thin metal thickness sheets > 0.06 mm and on coating chromium surface, rolled steel, profiles etc.
- Diamond indenter protected for long measurement cycle tests
- MKII and PIXEL: LCD graphic display for multi scale vision, simultaneous conversion on many scales, tolerance setting, statistic, depth indentation thickness, complete statistic, histogram, temperature value. Large hard disk for data and test sessions storage.
- MKII: RS 232 C Output for printer (as option USB 2 is available)



Absolute and accurate measurements in every conditions, even on flexible surfaces, without requiring special settings. It works in any position, even upside down, and could be supplied with several accessories for easy tests on round or irregular pieces like long screws, coils, bottles or tubes.

ACTION

Simply choose the desired hardness scale, put the test probe on the surface and apply a light pressure to start the entire test cycle.

FORCE RANGE

Preload: 9.807 N (1 kgf)

METALTEST / PIXEL: 54.92 N (5.6 kgf)

MKII: 19.614 or 54.92 N (2 or 5.6 kgf)

FEASIBLE TESTS

Rockwell HRA (20...92); HRB (26...100); HRC (0...80); HR15N (69...93); HR30T (16...83)

Brinell HB5 (5...205); HB30 (66...884)

Vickers (13...1865)

Knoop (25...97)

OPTIONAL TESTS

Tensile Module R (226...2898); HZA (0...250)

Webster B 0 / 20 (on request)

Barcol 0 / 100 (on request)

Leeb unit (on request)

TECHNICAL DATA

Conformity Standards: DIN 50157 / ASTM E110

Accuracy: Better than 1 %

Readout Division: 0.1

Min thickness measurable: 0.06 mm at 2 kgf / 0.08 mm at 5.6 kgf

Temperature Range: From 10 °C to 35 °C

Data Output: MKII / PIXEL: RS 232 C (USB as option)

Power Supply: METALTEST: Battery 9v - MKII / PIXEL: Rechargeable battery 6V

Software: Affri - OMAG

Principle of Operation: Dynamometric load cell

Fields Of Use: Tests in laboratory or in loco on tubes, profiles, valves bulky or small pieces. For all metals: iron, steel, tempered steel, cast iron, brass, aluminium, copper and metal alloys. Heat treatment, hardening, nitriding, cementation and hardfacing. Hard and soft plastics. Ceramic and glass materials.

Packing: METALTEST: 6kg, 20 x 30 x 20 cm - MKII / PIXEL: 5kg, 50 x 40 x 20 cm