

A new combined tester for Hardness and sigma break tests in one instrument: quick and accurate for production departments without requiring laboratory inspection.



- *An invaluable help in the warehouse or factory*
- *Tests hardness on all type of metals*
- *Tests the break module sigma*
- *Does not require adjustment*
- *Ready for test in any moment*
- *10 different conversion scales*
- *Stores results*
- *Statistics and data output for printer or PC connection*
- *Acoustic signal*



Field of application for AFFRI® Hard Test-II

	← soft	hard →	
HRA - Rockwell A	20	92	For hard steel, nitriding, cementation, roller, steel for tools, soft and hard materials
HK - Knoop	25	97	For soft steel, non ferrous metals
HRC - Rockwell C	0	80	For hard steel, nitriding, cementation, roller, steel for tools
HRB - Rockwell B	26	100	For soft steel, non ferrous metals
HR30T - Rockwell 30T	16	83	For soft steel, non ferrous metals
HB5 - Brinell 5	5	205	For aluminium, soft aluminium alloy cast iron, bronze, brass
HB30 - Brinell 30	66	884	For heat treated steel, annealed steel, drawn products, deep-drawn strip
HV - Vickers	13	1865	For all material
R - Tensile module N/mm ²	226	2898	For heat treated steel, annealed steel, drawn products, deep-drawn strip
HR15N - Rockwell HR15N	69	93	For hard steel, nitriding, cementation, roller, steel for tools

QUICK: in only 2 seconds the hardness and sigma are measured on large range of metallic products

UNIVERSAL: designed to check sheets, metal rolls, shaped parts, tubes, on aluminium, brass, copper and steel

ACCURATE: products and surfaces down to 0.08 mm thick can be checked. It works using the innovative Affri system which measures the real indentation depth applying constant incremental load rates through a minor and major load (as in laboratory machines).



Technical characteristics

Height capacity	self adjustable from 0.08 to 15 mm (other measures on request)
Conform to Standard	ASTM B-724
Reading scales	HRA HK HRC HRB HB30T HB5 HB30 HV R HR15N
Depth capacity	25 mm
Power	battery
Memory	500 data+ statistic, RS 232C out-data for printer or PC connection

Applicable accessories

Standard

- Bag with instrument, test block, instruction for use

Extra

- Printer with cable
- Special bases for special fixtures



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