



Wilson® Instruments Tukon™ 2100B Vickers/Knoop Hardness Tester

The Wilson Instruments Tukon 2100B Vickers/Knoop Hardness Tester has consistently performed the best in its class, providing unparalleled performance and reliability. With an industry-best closed-loop force range from 10 gf - 50 kgf, as well as a variety of objective configurations, the Tukon 2100B provides maximum application flexibility and modularity. Also available for the Tukon 2100B are a wide variety of accessories and software packages to meet all of your testing challenges.



Applications

- Steels, non-ferrous metals, IC wafer
- Thin plastics, metallic foils, platings, coatings, surface layers, laminated metals
- Effect of heat treatment
- Hardness depths of carburized layer
- Cemented carbide, ceramics, steels, non-ferrous metals
- Thin plates, metallic foils, plating, miniature objects
- Hardness resulting from welding or deposition

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Technical Specifications

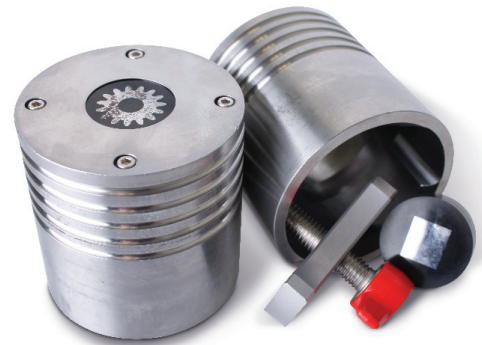
Scales	HV, HK
Test Load	10 gf - 50 kgf
Test Load Accuracy	+/- 1.5% < 200g, +/- 1% > 200g
Force Application	Load Cell
Dwell Time	.1 - 999 seconds
Standard Compliance	ASTM E384 & E92, and ISO 6507, 9385, 4546
Turret	Manual or motorized with five positions
Z-Axis Travel	Motorized, 500 mm per minute
Eyepiece	10x magnification with dual filar lines
Measuring Objectives	4x, 10x, 20x, 40x, 50x, 100x
Total Magnification	40x, 100x, 200x, 400x, 500x, 1000x
Optical Path	Two-way changeable for eyepiece and optional camera
Optical Functions	Field aperture, numerical aperture
Light Source	12V 30W Halogen
Light Filter	Green, Blue and Polarized
Data Output	RS-232, I/O Port TTL
Statistics	Minimum, Maximum, Standard Deviation, Average, Cp, Cpk
Memory	999 test results
Operating Temperature	10 - 38° C (50 - 100° F)
Humidity	10% - 90% non-condensing
Power Requirements	100VAC, 120VAC, 220VAC, 240VAC, 50/60 single phase
Power	370W
Dimensions	952 x 330 x 597 mm
Weight	68 kg (150 lbs)



Test Blocks and Indenters

Wilson Instruments offers a wide range of NVLAP 17025 reference test blocks. All certified reference blocks are issued with a certificate traceable to internationally recognized standards, including ASTM, UKAS, and DKD.

We also offer certified indenters.



Accessories

- Objectives 4X, 10X, 20X, 40X, 50X, 100X
- XY-stage with analog or digital micrometers
- Universal Clamping and Leveling Device (UCLD)
- EZ-Clamp multi-sample fixtures
- Minuteman ELT™ Automation Systems

Please ask for a full accessories catalog



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