

Model	M1
Vickers HV as per ISO 6507, ASTM E384, E92	HV0,01 - HV0,025 - HV0,05 - HV0,1- HV0,2 - HV0,3 - HV0,5 - HV1
Knoop HK as per ISO 4545, ASTM E384, E92	HK0,01 - HK0,025 - HK0,05 - HK0,1- HK0,2 - HK0,3 - HK0,5 - HK1
Hardness conversions to other scales	As per ISO 18265
Test Loads (gf)	10gf – 25gf – 50gf – 100gf – 200gf - 300gf- 500gf - 1000gf
Test Loads (N)	0,09807N - 0,2452N - 0,4904N - 0,9807N - 1,961N - 2,942N - 4,904N - 9,807N
Test Load Accuracy As per ISO standard (and ASTM E-384, JIS B7725, JIS B7734)	10gf - 200gf: +/- 1,5% and > 200gf: +/- 1,0%
Test Load Dwell Time As per ISO standard (and ASTM E-384, JIS B7725, JIS B7734)	from 5 - 99 sec with 1 sec increments
Test Load Application Speed As per ISO standard (and ASTM E-384, JIS B7725, JIS B7734)	10gf - 200gf: < 0.070 mm/s and > 200gf: < 0.200 mm/s
Load Force Application	Dead-weight, Automatic motorized, load, dwell, unload
Load Selection	Manual by external setting knob
Turret Configuration	Motorized 3-mount turret: 1 indenter, 2 objectives Position Auto-indication
Indenter	Including 1 Vickers Diamond Indenter (ISO/DaKKs certified, Made in Germany)
Objectives Image capture by integrated CCD-camera (no eyepiece)	Standard objectives 10X, 40X, optional 5X, 20X (Made in Germany)
Sample Image Capture	By Integrated CCD Camera, 5.0 MP, USB 3.0 (Made in Germany)
Indent Measurement Resolution	0,00002 mm (0,02 µm)
Illumination Source	Built-in LED Light Source
Automatic Brightness Control	Standard for highest contrast and sharpness
Z-axis (Spindle Vertical Movement)	Manual

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