

UNIVERSAL HARDNESS TESTER, 7005 UHT-AD



FEATURES:

- Load cell, force feedback, closed loop system
- Wide test load range up to 250kgf/2.45kN
- Meets or exceeds to all applicable ISO and ASTM standards
- Shape correction values for curved surfaces
- High-quality depth measuring system (Rockwell, HVT, HBT)
- Very user-friendly, low training requirements
- Possibility to store 20 batch files with 50 measuring results each
- Direct printer and/or PC connections via RS-232

SPECIFICATIONS:

Product Name	Universal Hardness Tester
Model	7005 UHD-AD
Hardness scales	Brinell, Vickers, Rockwell
Load application	Load cell, force feed back, closed loop system
Load range	1kgf/9.8N - 250kgf/2.45kN
Optical system	High precision optical path, screen diameter 135mm
Objectives	Interchangeable 44x, 70x, 140x magnification
Scale resolution	0.001mm (1 micron)
Display	Full function LCD screen, testing results, statistics, built-in hardness calculator, etc. Standards Meets or exceeds, ISO, ASTM, JIS (Nadcap) standards
Test loads	(500gf/4.9N*) (*Optional), 1kgf/9.8N, 2kgf/19N, 2.5kgf/24N, 3kgf/29N, 5kgf/49N, 10kgf/98N, 15kgf/147.1N, 15.625kgf/153N, 20kgf/196N, 30kgf/294.2N, 31.25kgf/306N, 45kgf/441N, 50kgf/490N, 60kgf/588.4N, 62.5kgf/612N, 100kgf/980.7N, 125kgf/1225N, 150kgf/1471N, 187.5kgf/1838N, 250kgf/2.45kN
Rockwell test scales	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV, Bm, Fm, Ralpha, 15N, 30N, 45N, 15T, 30T, 45T, 15W, 30W, 45W, 15X, 30X, 45X, 15Y, 30Y, 45Y
Vickers test range	HV: (500gf/4.9N*), 1kgf/9.8N, 2kgf/19N, 3kgf/29N, 5kgf/49N, 10kgf/98N, 20kgf/196N, 30kgf/294.2N, 50kgf/490N, 100kgf/980.7N HVT: 50kgf/490N, 100kgf/980.7N (*Optional)
Brinell test range	HB1: 1kgf/9.8N, 2.5kgf/24N, 5kgf/49N, 10kgf/98N, 30kgf/294.2N
	HB2.5: 6.25kgf/62N, 15.625kgf/153N, 31.25kgf/306N, 62.5kgf/612N, 187.5kgf/1838N
	HB5: 25kgf/245N, 62.5kgf/612N, 125kgf/1225N, 250kgf/2.45kN
	HB10: 100kgf/980.7N, 250kgf/2.45kN
	HBT2.5: 62.5kgf/612N, 187.5kgf/1838N

Test cycles	Automatic & Manual
Indentors	Brinell/Balls: 1mm, 2.5mm, 5mm, 10mm
	Vickers Diamond: 136°
	Rockwell Diamond Cone:120°
	Rockwell balls: 1/16", 1/8", 1/4", 1/2"
	Some are optional
Force control	2 - 99 seconds
Connectivity	RS-232 Serial Interface (printer/PC)
Workpiece accommodation	AC 220V/50Hz;AC110V/60Hz
	Horizontal capacity 150mm
Cylindrical Surface	Starting at 3mm diameter
Machine dimension	230mm x 575mm x 1064mm
Machine weight	201kg
Power Supply	100V AC to 240V AC, 50Hz/60Hz, single phase
Execution Standard	ISO 6508, ASTM E18, JIS Z2245, GB/T230

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