

## IRHD Hardness Tester – Full Automatic System



The international hardness test is based on measurement of the penetration of a rigid ball into the rubber specimen. The hardness is obtained by the difference in penetration depth of a specified dimension ball under conditions of contact with a minor force and with a major force. The differential penetration is taken at a specified time and converted to a hardness scale value. It's performed according to ASTM D1415, KS M 6511 and ISO 48. The Vluchem's IRHD-Micro is a fully automatic instrument which is far from operator's influences and rubber material, polymer such as o-ring, oil seal and various molded final goods.

AIR – 20M

Resolution – 0.1 IRHD

Min. Test Thickness – 1 mm

Data Excel Export Function

ERP System (Option)

Test Method	IRHD Micro
Resolution	0.1 IRHD
Indenter	Ø 0.4
Total force on ball	153.3mN ± 1.0
Minor force	8.3 mN ± 0.5
Major force	145 mN ± 0.5
Force on foot	235mN ± 30.0
Measuring range	30 ~ 100
Power	210~240V, single phase 50/60Hz,
Display	Color LCD graphic
Data Output	Graph, Test results, Single test and multi test available
	Hardness trend graph, test results pass/fail
	Tolerance limits, Time, Data excel export function
Measuring Time	30 ~ 120, Default 30 sec,