



FLEXBAR PORTABLE DIGITAL HARDNESS TESTER

An advanced integrated hardness tester distinguished by its very compact size, high accuracy, wide measuring range and simplicity of operation. It is suitable for testing the hardness of all metals and widely applied in many areas of industry.

It automatically computes all Vickers, Brinell, Rockwell and Shore hardness values. RS232 output enables this new model to print any of its memory from up to 2000 locations. The impact direction can be set so that the accurate values can be achieved at any angle, even upside down! Statistical mean value is automatically provided.

Impact Device	D
Impact Energy	8 Ft.-Lbs. (11nm)
Test Tip	Tungsten Carbide
Max. Hardness of Sample	980hv
Impact Direction	Any Angle
Accuracy	± 0.5% (referred to L=800)
Repeatability accuracy	± 4L units L=Leeb
Measuring Range	200-960 HL
Battery Type	2 AAA alkaline (supplied)
Operating Temperature	5-104 degrees F
Dimensions	108 x 62 x 25mm
Weight	0.51 lbs (230 grams)
Min. Thickness of Sample	0.2in (5mm) (Coupled: 3mm)
Min. Weight of Sample	11lbs. / 5kg (less than 5kg to 0.1kg coupled on solid support)
Min. Thickness of Layers	0.8mm
Min. Radius of Curved Surface	1.2in (30mm)
Minimum Thickness	.500in Steel

MATERIALS AND TESTING RANGE

MATERIAL	HRC	HRB	HB	HV	HS
STEEL & CAST STEEL	20-68	60-100	93-674	83-976	32-100
COLD TOOL STEEL	20-67			80-896	
STAINLESS STEEL	20-62	46-100	85-655	85-802	
GREY CAST IRON			93-334		
NODULAR CAST IRON			131-387		
CAST ALUMINUM ALLOYS			27-159		
COPPER/ZINC ALLOYS (BRASS)		13-95	40-173		
CuAl/CuSn ALLOYS (BRONZE)			60-290		
WRAUGHT COPPER ALLOYS			45-315		



Note: Material thickness must be 1.5" or more for softer metals and 1" minimum thickness for steel.

External Impact Probes for a variety of applications available. Visit our website or contact our product specialist.

MODEL NO.15970

Complete kit including Standard Integrated Hardness Tester, Impact device D, Calibrated Test Block, Fitted Case, cleaning brush and Instructions.