

MODEL NO. 900-331

Analog Hardness Tester



283 Veterans Boulevard Carlstadt NJ 07072
Tel: (201) 933-6300 Fax: (201) 933-3801
www.phase2plus.com

Features:

- Direct analog dial reading
 - Advanced design, easy to operate
 - Engineered to obtain highly sensitive and accurate readings
 - Conforms to ASTM E-18
- Perfect for laboratories, workshops, tool rooms, inspection labs, etc.

Minor Load	10Kgf
Major Load	60Kgf, 100Kgf, 150Kgf
Test Force Application	Dead Weight
Test Force Control	Hydraulic Dashpot System
Results Display	Analog Dial Gage
Vertical Capacity	6.7 in.
Throat Depth	6.6 in.
Height	30.0 in.
Width	8.50 in.
Depth	20.0 in.
Shipping Weight	242 lbs.

Accessories:

- C-scale Diamond Indentor
- 1/16" Ball Indentor
- 3- HRC Test Blocks
- 1- HRB Test Block
- 1-HRA Test Block
- Test Table 5.87" (150mm)
- Flat Anvil 2.5" (63mm)
- Spot Anvil .38: (10mm)
- Std. Vee Anvil
- Accessory Case
- Dust Cover



Scale Symbol	Indenter Type <i>Ball dimensions indicate diameter</i>	Preliminary Force N (kgf)	Total Force N (kgf)	Typical Application
A	Spheroconical Diamond	98.07 (10)	588.4 (60)	Cemented carbides, thin steel and shallow case hardened steel
B	Ball 1/16" (1.588mm)	98.07 (10)	980.7 (100)	Copper alloys, soft steels, alum. Alloys, malleable iron, etc.
C	Spheroconical Diamond	98.07 (10)	1471 (150)	Steel, hard cast irons, pearlitic malleable iron, titanium, deep case hardened steel & other material harder than HRB 100
D	Spheroconical Diamond	98.07 (10)	980.7 (100)	Thin steel and medium case hardened steel and pearlitic malleable iron
E	Ball - 1/8" (3.175mm)	98.07 (10)	980.7 (100)	Cast iron, aluminum & magnesium alloys and bearing metals
F	Ball - 1/16" (1.588mm)	98.07 (10)	588.4 (60)	Annealed copper alloys, and thin soft sheet metals
G	Ball - 1/16" (1.588mm)	98.07 (10)	1471 (150)	Malleable irons, copper-nickel-zinc and cupronickel alloys
H	Ball - 1/8" (3.175mm)	98.07 (10)	588.4 (60)	Aluminum, zinc and lead
K	Ball - 1/8" (3.175mm)	98.07 (10)	1471 (150)	Bearing metals and other very soft or thin materials. Use smallest ball and heaviest load that does not give anvil effect
L	Ball - 1/4" (6.350mm)	98.07 (10)	588.4 (60)	
M	Ball - 1/4" (6.350mm)	98.07 (10)	980.7 (100)	
P	Ball - 1/4" (6.350mm)	98.07 (10)	1471 (150)	
R	Ball - 1/2" (12.70mm)	98.07 (10)	588.4 (60)	
S	Ball - 1/2" (12.70mm)	98.07 (10)	980.7 (100)	
V	Ball - 1/2" (12.70mm)	98.07 (10)	1471 (150)	



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