

B 3000-E



Over **60** years of
consistent excellence



Digital Brinell Hardness Testing Machine



Direct Digital Reading



Motorized loading & unloading



High accuracy & repeatability
of measurement at all loads.





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Digital Brinell Hardness Tester Model : B 3000-E

FIE Hardness Testers, Model : B-3000 (E) are precision engineered confirming to IS:1500-2, however Model : B-3000 (E) are most suitable for production testing.

These machines are designed to measure hardness of castings, forgings, other metals and alloys of all kinds, hard or soft, whether flat, round or irregular in shape.

Machine designed with a motorized mechanism and control circuit for effortless loading unloading operation.

Dial gauge in front measure depth of ball penetration.

This facilities production testing within tolerance limits by compression method.

Basic machine design & operation similar to B-3000 (E). In addition 'Optical Device' with 14 x magnification provided in front of project dia of ball impression on glass screen with a micrometer measuring system with 0.01mm accuracy.

The indenter swivels & projects dia of ball impression immediately after unloading operation which avoids additional time for measurement of ball impression.

For measurement of ball impression provision of D1 & D2 keys are provided to measure it digitally & give the hardness number directly on the screen.



Technical Data :

MODEL		B-3000 (E)
Loads	kgf	250 to 3000 in stages of 250
Initial Load	kgf	NIL
Max. test height	mm	380
Depth of throat	mm	200
Max. depth of elevating screw below base (approx.)	mm	180
Machine height (approx.)	mm	1185
Net weight (approx.)	kg.	500
Drive Motor	HP	0.33
Mains Supply	V/cy/ph	415/50/3
Optical Device		Direct reading through combination of optical & Digita device with 14X Magnification.

Standard Accessories :

MODEL	B-3000 (E)
Testing table 200 mm dia	1 pc.
Testing table 70 mm dia with 'V' groove for round jobs - 10 to 80 mm dia.	1 pc.
Ball holder 5 mm	1 pc.
Ball holder 10 mm	1 pc.
Test Block HB-5/750	1 pc.
Test Block HB - 10/3000	1 pc.
Brinell Microscope	NIL
Allen Spanner	7 pcs.
Telescopic cover for - elevating screw protection	1 set
Instruction manual	1 Book

Due to continuous improvement of the product, FIE reserves all rights to change the above specifications without any prior notice.



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