



COMPUTERIZED BRINELL HARDNESS TESTING MACHINE

MODEL: SSS-B-3000(O)(PC)



Features :

- Fully Computerized (PC Based) Brinell Hardness Tester.
- Direct and accurate measurement of Brinell Hardness Number using "State of Art" image processing technology.
- 'Wide Testing Range' : from soft metal to medium hardness steels.
- High accuracy and repeatability of measurement at all loads.
- Faster measurement yielding to higher productivity.
- Hydraulic loading and unloading cycle.
- Advanced Window based software.

Latest GUI Features :

- User friendly software with all help file and Windows Features.
- Online indentation setting and focusing on PC monitor.
- Advance image processing : Algorithms implemented for precise calculation of hardness numbers with various options to cover all ranges of specimen.

Batch file Processing :

- Option for data/storage and reports generation.

Statistical Evaluation :

- Software for calculating standard deviation, mode medium, histogram etc.
- Wide options in calibration mode.
- Extensibility for future advanced image processing analysis requirements.

'SSS' Computerized Brinell Hardness Tester, Model SSS-B 3000-PC is a simple and a accurate means to produce automatically measures the ball indentation to give Brinell hardness number.

These testers are suitable for measuring the hardness of metallic parts with wide leasting range - from soft to hard, and their accurate results are widely acclaimed.

These testers strictly confirm to IS:2281, BS:10003-2 and ASTM E-10.

Construction :

The robust machine frame is designed to accommodate the high precision loading system and an optical device with CCD camera. Specimen is placed on a testing table and brought in contact with clamping cone. Load/Unload/Read operations are done through a 3-position hand lever. The image is digitized using a CCD camera fitted on the optical device and is captured by the PC. The diameters of the indentation are directly measured by Pc to give the Brinell Hardness Number directly.

Technical Data :

Standard Accessories :

Total Load	kgf	500 to 3000 in stages of 250 kgf	Testing table 200mm dia	1 PC.
Magnification of objectives	-	2x	Testing table 70mm dia with "V" groove for round jobs 10 to 80mm dia.	1 PC.
Max. Test Height	mm	380	Ball holder 5mm	1 PC.
Scale least Count	mm	0.01	Ball Holder 10mm	1 PC.
Throat Depth	mm	200	Test Block HB-5/750	1 PC.
Dimensions (Approx.)	mm	L 1025 x W 645 x H 1178	Test Block HB-10/3000	1 PC.
Weight- Approx	kg	450	Allen Spanner	4 PCS.
Power Supply	V/Cy/Ph	415/50/3	Telescopic Cover for elevating screw protection	1 SET.
Measurement Range	mm	1-6	Electric Cord	1 PC.
			Software CD	1 PC
			Instruction Manual	1 BOOK

❖ PC & Printer is not in our standard scope of supply.

Due to constant R&D specification are subject to change without notice.



SSS INSTRUMENTS

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