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**Product Name :**

Brinell Hardness Tester

**Product Code :**

SLE/MCE/16



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## Description :

**Brinell Hardness Tester** (Product Code: SLE/MCE/16) is a digital hardness testing instrument used to measure the Brinell hardness of metals in materials testing, metallurgy and workshop laboratories. Engineering colleges and quality-control labs use it for a fully automatic load, hold and unload cycle across 8–650 HBW, with test loads chosen on a keyboard and results shown on a large LCD screen. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**,Ambala, India.

### Specifications

| Parameter | Detail |
|---|---|
| Measuring range | 8–650 HBW |
| Test cycle | Fully automatic load application, holding and unloading |
| Load selection and display | Keyboard with large LCD screen showing indenter, load and other test information |
| Load dwell time | 2 to 99 s, can be set and stored |
| Ball indenters | Tungsten carbide, 10 mm, 5 mm and 2.5 mm |
| Reading | Direct digital reading |
| Microscope magnification | 20X |
| Microscope resolution | 0.005 mm |
| Maximum measurable height | 230 mm |
| Maximum measurable depth | 140 mm |
| Standard blocks | 125–350 HBW10/3000 and 125–350 HBW10/1000 |
| Weight advantage | About 50% lighter than a traditional dead-weight type tester |
| Power supply | 220/110 V, 50/60 Hz, 4 A |
| Dimensions (L x W x H) | 530 x 260 x 750 mm |
| Weight | 110 kg |
| Product code | SLE/MCE/16 |
| Supplied by | Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India |

### What Is the Brinell Hardness Tester Used For?

In the Brinell method a hard ball is pressed into the metal under a set load, and the diameter of the round impression, measured through the 20X microscope, gives the hardness number. Because this tester applies, holds and removes the load automatically, the operator no longer influences the result, which greatly improves reproducibility from one student or shift to the next. Three ings or ste

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