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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 manufactured 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
Manufacturer	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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