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Product Name :

Universal Hardness Tester

Product Code :

SLE/ETP/09



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Description :

Universal Hardness Tester (Product Code: SLE/ETP/09) is a bench-top hardness testing instrument used to measure Vickers, Brinell and Rockwell hardness of materials in engineering, metallurgy and industrial training laboratories. One instrument covers all three methods, and its backlit LCD shows measured results, test progress and the settings needed for each set-up. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, as one of the test and measurement instruments in India it makes for colleges and training centres.

Key Details

Parameter	Detail
Hardness methods	Vickers, Brinell and Rockwell
Format	Bench-top tester of industrial type
Display	Backlit LCD
Display functions	Shows measured hardness results, monitors the progress of each test and shows the information needed when setting up the machine for a variety of parameters
Product code	SLE/ETP/09
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Universal Hardness Tester Used For?

Hardness is a quick, almost non-destructive guide to a material's strength, heat-treatment condition and wear resistance. The Universal Hardness Tester lets one laboratory run the three most widely taught methods: Brinell, where a ball leaves a broad dent that suits softer or coarse-grained metals; Vickers, where a pyramid-shaped indentation is measured across its diagonals; and Rockwell, where hardness is read from the depth of penetration.

Students can test the same specimen by each method and discuss why the numbers differ, or follow how quenching and tempering change hardness. For reliable readings, use a flat, clean and well-supported specimen, keep indentations away from edges and from one another, and check the set-up information on the LCD before each series of tests.

What to Specify When Ordering

- Which of the Vickers, Brinell and Rockwell methods you will use most, so the indenters and test loads in the quotation can be confirmed with you.
- The materials and typical specimen sizes your students will test.
- Whether you also need specimen preparation equipment for cutting and polishing.
- The number of testers and the delivery destination.

Manufacturer

Jain Scientific Equipments Private Limited, trading as ScienceLab from Ambala, Haryana, manu l traini and confi file page