Email : sales@scilabexport.com
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Product Name :

Micrometer Screw Gauge, Lock Type

Product Code :

SLE/PHY/246



Science Lab
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Description :

Micrometer Screw Gauge, Lock Type (Product Code: SLE/PHY/246) is a precision hand instrument used to measure small outside dimensions, such as wire diameter or sheet thickness, from 0 to 25 mm in school and college physics laboratories. Built from nickel-plated brass with a ratchet top and a lock, this physics lab instrument reads to 1/100 mm and comes in a plasticcase. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer,at its own factory in Ambala, India.

Specifications

Parameter	Detail
Body material	Nickel-plated brass
Rod	Accurately machined stainless steel
Range	0–25 mm x 0.01 mm
Precision	1/100 mm (0.01 mm)
Measurement type	Outside measurements up to 25 mm
Top	Ratchet top
Type	Lock type
Packing	Supplied in a plastic case
Product code	SLE/PHY/246
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is a Micrometer Screw Gauge Used For?

In lab practicals across India, the screw gauge is used to measure the diameter of a wire, the thickness of a glass slide or metal sheet and the diameter of small spheres, each to the nearest 0.01 mm. It handles the wire-diameter step of experiments such as Young's modulus by Searle's method and the resistivity of a wire, and it teaches students about pitch, least count and zero error.

Always turn the thimble using the ratchet top so the same gentle pressure is applied at every reading, and check for zero error by closing the jaws before you start. Once a reading is set, the lock holds the spindle so the value can be read or shown to a teacher without shifting. Wipe the measuring faces clean and keep the gauge in its plastic case between practicals.

What to Specify When Ordering

- The number of gauges, typically one per student pair or group.
- Whether you want this lock-type model or the standard screw gauge also listed in the catalogue.

OEM

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