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Product Name :

Lateral Extensometer

Product Code :

SLE/CE/22



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Description :

Lateral Extensometer (Product Code: SLE/CE/22) is a hinged strain-measuring frame used to measure the lateral extension of a concrete specimen under compressive load in materialstesting laboratories. Built from two movable frames pivoted at one end, it shows sidewaysmovement on a 0.002 mm dial gauge so that students and engineers can pair lateral readingswith axial strain. **Jain Scientific Equipments Pvt Ltd (ScienceLab)** manufactures it as the OEMat its own factory in Ambala, India.

Specifications

Parameter	Detail
Frames	Two movable frames pivoted at one end
Fixing	Fixed to the specimen with tightening screws
Dial gauge	0.002 mm × 5 mm; indicates the lateral extension
Gauge contact	Dial gauge tip rests on an anvil
Zero setting	By adjusting the anvil screw
Case	Supplied in a wooden carrying case
Product code	SLE/CE/22
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Lateral Extensometer Used For?

When a concrete specimen is squeezed along its axis it also bulges slightly sideways. The two frames of the lateral extensometer are screwed to the specimen and hinge apart as it expands, and the dial gauge records that movement. Comparing lateral strain with longitudinal strain from a compressometer gives Poisson's ratio, a key input in structural analysis.

Fix the frames with the tightening screws, check they are not touching the machine platens, then zero the gauge with the anvil screw before loading. Take readings at the same load steps used for the compressometer so the two data sets line up. It is a practical test and measuring instrument in India for concrete technology and strength-of-materials practicals.

OEM Manufacturer

Jain Scientific Equipments Private Limited trades as ScienceLab and is the OEM (original equipment manufacturer) of this Lateral Extensometer, producing it at the company's own licensed factory at Saha, Ambala, Haryana, India. Laboratories, colleges, dealers and importers buy it factory-direct, which keeps quotations, repeat orders and spare-part questions with the manufacturer itself. If a component needs replacing, ask us. Company information is on the ScienceLab company profile.

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