Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Longitudinal Compressometer

Product Code :

SLE/CE/21



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Phone: +91-7082934803

Description :

Longitudinal Compressometer (Product Code: SLE/CE/21) is a ring-type strain-measuring frame used to record the axial shortening of concrete cylinders under compressive load in structural and materials testing laboratories. Students and testing engineers clamp its top and bottom rings onto the cylinder and read deformation on a 0.002 mm dial gauge, the data needed for a stress–strain curve. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM technical educational equipment manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Frame	Bottom ring and top ring
Clamping	Tightening screws clamp the compressometer firmly over the cylinder
Dial gauge	0.002 mm × 5 mm, mounted on the upper ring
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/21
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Longitudinal Compressometer Used For?

The compressometer is fitted to a concrete cylinder before it goes into the compression testing machine. As load is applied in steps, the rings move closer together and the dial gauge shows the shortening between them; dividing that change by the gauge length gives strain, and plotting stress against strain gives the static modulus of elasticity of the concrete.

Tighten the ring screws evenly so the frame sits square on the cylinder, then set zero with the anvil screw before loading starts. Remove the instrument before the specimen is taken to failure to protect the gauge. Used with a lateral extensometer on the same cylinder, it also supports Poisson's ratio experiments — one reason civil engineering colleges often order both from the same scientific instruments manufacturer in India.

OEM Manufacturer

ScienceLab, the trading name of Jain Scientific Equipments Private Limited, is the OEM of the Longitudinal Compressometer and makes it at its own licensed factory at Saha, Ambala, Haryana, India. Buying from the original manufacturer means the rings, screws and gauge mounting come from one source, and requests for replacement parts or repeat units go straight to the maker — ask us. The company supplies universities, polytechnics, testing laboratories, deale

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