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Product Name :

Digital Point Load Test Apparatus

Product Code :

SLE/CE/106



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Description :

Digital Point Load Test Apparatus (Product Code: SLE/CE/106) is a rock-strength testing frame used to split core and lump specimens between two conical platens and record the failure load in rock mechanics and civil engineering laboratories. Engineering colleges and geotechnical labs use it for quick strength-index testing, and its 60 kN hand-pump load frame adjusts for samplesup to 102 mm in diameter. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM and engineering lab equipment manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Load frame capacity	60 kN
Loading system	Hydraulic loading ram driven by a hand pump
Platens	Conical platens
Platen distance measurement	Ruler assembled on the frame for direct reading beforeand after the test
Specimen size	Adjustable frame for samples up to 102 mm diameter
Load sensing	Pressure transducer connected to a digital display unit
Load range	0–60 kN
Digital display	2 x 16 characters
Resolution	32 000 divisions
Accuracy	± 1%
Load pacer	Included
Measurement units	Load in kN and stress in MPa
Data output	Serial port for PC connection
Product code	SLE/CE/106
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Point Load Test Apparatus Used For?

The point load test is a fast way to estimate the strength of rock without cutting and grinding specimens to precise shapes. A core or lump is seated between the conical platens, the hand pump drives the hydraulic ram until the specimen splits, and the peak load together with the platen separation is used to work out the point load strength index. Students see rock failure within minutes, and site-investigation labs use the result to screen cores before slower compressive-strength testing.

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