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Product Name :

Impact Testing Machine-Digital

Product Code :

SLE/MCE/14



Science Lab
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Description :

Impact Testing Machine-Digital (Product Code: SLE/MCE/14) is a pendulum impact tester used to measure the energy a notched specimen absorbs as it fractures, in the materials testing laboratories of engineering colleges and industry. It runs both Charpy and Izod tests, with 300 J initial potential energy for Charpy and an electronic digital display of the result. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM engineering lab equipment manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Test methods	Charpy and Izod impact tests on various materials
Initial potential energy	Charpy 300 J; Izod 170 J (the listing also gives Izod capacity as 168 J — confirm at quotation)
Display resolution	0.5 J
Minimum scale graduation	2 J
Pendulum drop angle	Charpy 140°; Izod 90°
Display	Electronic digital display
Position marking	Interchangeable stickers for Izod and Charpy positions
Pendulum lock	Positive lock in Izod and Charpy positions
Braking	Braking arrangement for stopping the pendulum
Strikers and support blocks	Special alloy steels, duly heat-treated
Operator safety	Safety guard provided
Frame	Rigid design so the machine itself absorbs minimum energy during fracture
Changeover	Simple pendulum construction for switching between Izod and Charpy set-ups
Overall height	1.65 m (approx.)
Net weight	375 kg (approx.)
Product code	SLE/MCE/14
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Impact Testing Machine-Digital Used For?

Charpy and Izod tests compare toughness — how much energy a material absorbs before it break
pend
After
steels