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

**Product Name :**

Impact Testing Machine-Digital

**Product Code :**

SLE/MCE/14



## 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

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