



DIGITAL IMPACT TESTING MACHINE



Model – SSS-IT-300(E)

GENERAL DESCRIPTION

The **Pendulum Impact Tester Model SSS - IT 300(E)** is designed for conduction **Izod & Charpy Test**. The test methods conform to BS:131:PART 4-1972 (Amended 15 Aug. 1993) & BSEN: 10045 - 2 : 1993.

The Pendulum is mounted on antifriction bearings. It has two starting positions, the upper one for Charpy and the lower one for Izod testing. On release, the Pendulum swing down to break the specimen and the energy absorbed in doing so is measured as the difference between the height of drop before rupture & height of raise after reapture of the test specimenn and is read from Digital Panel.

Charpy Test

The Charpy test piece rests on alloy steel supports anvils fitted on the base of the machine rigidly held in position by alien screws. End stopper is provided for quickly & accurately locating the test piece centrally between the supports.

Izod Test

The Izod test piece is clamped vertically in Izod support anvils, fitted on the base of the machine. The support is provided with a machined vertical groove to suit the test piece size. The front clamp piece & alien screw enable clamping of the test piece in correct height with the help of Izod setting gauge supplied.

Controls of Pendulum

The Pendulum supported in the starting positions is by a self resetting latch. The release mechanism is operated by lever. The Pendulum release latch is operated only when this lever is operated.

Strikers & Supporters

There are strikers & one combined support available for fitting into the Pendulum & on to the base of the machine for Izod, Charpy test. Changing from one striker to another is achieved simply by fixing the new striker into its position

| SPECIFICATIONS | SSS - IT 300(E) |
|------------------------|------------------|
| Maximum Capacity | 300 J / 170 J |
| Least Count | 0.5 J |
| Overall Size (Approx.) | 1.65 m x 0.45 mx |
| | 1.65 m (H) |
| Net Weight (Approx.) | 375 Kg. |

Due to constant R&D specification are subject to change without notice.



SSS INSTRUMENTS

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