



IMPACT TESTING MACHINE

Model : AI-IT 30



Model : AI-IT 30 (E)



Charpy Test :

The Charpy test piece rests on alloy steel supports anvils, fitted on the base of the machine rigidly held in position by allen 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 & allen screw enable clamping of the test piece in correct height with the help of Izod setting gauge supplied.

General Description :

The Pendulum Impact Tester Model AI - IT30 is designed for conducting 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 Charpy & 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 rupture of the test specimen and is read from the maximum pointer on the dial scale.

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 & Supports :

There are two 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.

Optional Accessories :

- Caliper gauge for checking V notch for Izod & Charpy as per BS:131:PART1,2,3.
- Depth notch gauge including V&U notch, angle & radius.
- Self centering tong.
- V-notch milling cutter.
- U-notch milling cutter.

SPECIFICATIONS :

MODEL	AI-IT : 30	AI-IT : 30 E	AI-IT : 1.5	AI-IT : 0.5
Maximum Capacity	300 J / 168 J	300 J / 170 J	15 J	5 J
Minimum Scale Graduation	2 J	0.5 J	0.1 J	0.05 J
Overall Size (Approx.)	1.65 m (H) 1.1m x 0.45 mx	1.32m x 0.45 mx 1.65 m (H)	0.5 m x 0.3 m x 0.52 m (H)	0.5 m x 0.3 m x 0.52 m (H)
Net Weight (Approx.)	375 kg.	375 kg.	70 kg.	70 kg.

'ADITYA' reserves the right of change in the above specifications due to continuous change in design.

Manufactured By :

Sold & Serviced By :



Aditya Instruments

Mfg. of : Universal, Impact, Hardness, Electronic Testing M/c. & its Spares.

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