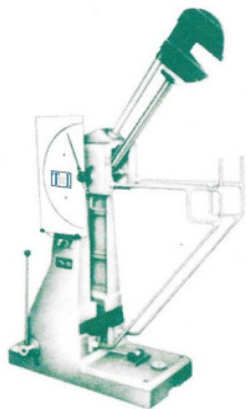


TESTWELL GLOBAL



General Description :

The pendulum Impact Tester, Model TIT 30 is designed for conducting Izod, Charpy test. The test methods confirm to BS : 131 : PART4-1972 (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 & the lower one for Izod testing. On release, the Pendulum swings down to break the specimen and the energy absorbed in doing so is measured as the difference between the height of drop before rupture and the height of rise after rupture of the test specimen and is read from the maximum pointer position on the dial scale.

(It is read on digital readout in case of electronic machines.)

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

Charpy test

The charpy test piece rests on alloy steel support anvils, fitted on the base of the machine rigidly held in position by Alien screws. End stopper is provided for quickly and accurately locating the test piece centrally between the supports.

Izod test :

The Izod test piece is clamped vertically in Izod support 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 and the Alien screw enable clamping of the test piece in correct height with the help of Izod setting gauge supplied.

MODEL	TIT 30	TIT 30 D	TIT (ASTM) Charpy Test	TIT 1.5	TIT 0.5
Maximum Capacity	300 J/168 J	300 J/170 J	300 J	15 J	5 J
Minimum Scale Graduation	2 J	0.5 J	2 J	0.1 J	0.05 J
Overall Size (Approx.)	1.1mm x 0.45m x 1.65 m (H)	1.32mm x 0.45m x 1.05 m (H)	1.4mm x 0.5m x 1.9 m (H)	0.5mm x 0.3m x 0.52 m (H)	0.5mm x 0.3m x 0.52 m (H)
Net Weight (Approx.)	375 kg.	375 kg.	450 kg.	70 kg.	70 kg.



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