

Impact Testing Machine

Our Model HIT-300C Pendulum Impact Tester is designed for CHARPY, IZOD and IMPACT TENSION test. The pendulum is mounted on antifriction bearings. It has two starting positions, the upper one for Charpy the lower one for Izod testing.



Features:

1. Suitable only for Charpy tests on various materials.
2. Machine conforms to ASTM-E-23-current standard.
3. Single stand design which facilitates fast and easy positioning and centering of the specimen which is a basic requirement of sub-.
4. Unique spring-loaded braking system for smooth and jerk-freebraking .

TECHNICAL SPECIFICATIONS (CHARPHY TEST)

Model No.	HIT-300C
Initial potential energy (Joules)	300
Minimum scale graduation (Joules)	2
Pendulum drop angle (degree)	140
The striking velocity of the pendulum (m /sec)	5.182
Distance between the axis of rotation and center of strike (i.e. length of the pendulum) (mm)	775
The effective weight of the pendulum (kg)	22.35
Total friction and windage losses (%) of Max. Impact energy	0.75% Max.
Distance between physical percussion center of pendulum and center of Charpy specimen (mm)	± 7.75 mm Max.
Striking edge	
The Angle of striking edge (degree)	30 ± 2°
The radius of the striking edge (mm)	8 ± 0.05 mm
Width of tip (mm)	4
Specimen Anvils and Supports	
Suitable for specimen size (mm)	10 x 10 x 55
Distance between Anvils (mm)	40 ± 0.05
Angle of Anvil (degree)	80° ± 2°
Radius of supports (mm)	1 ± 0.05
Overall size (mm) approx.	930Lx460Wx2070H
Net weight (kg) approx.	500

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