



ASTM IMPACT TESTING MACHINE

FEATURES: -

- For Charpy tests on various materials.
- Strictly conforms to ASTM-E-23-2007 specifications.
- Works on pendulum principle. Difference between height of drop of pendulum before rupture and height of rise after rupture of specimen is directly proportional to Impact energy absorbed by specimen and is indicated by a pointer on a large dial
- Single stand design which facilitates fast and easy positioning and centring of specimen which is a basic requirement of sub-zero testing.
- Unique spring loaded braking system for smooth and jerk free braking ·



BIT-300-ASTM

TECHNICAL SPECIFICATIONS (CHARPY TEST)

Model No.	BIT-300-ASTM
Initial potential energy (Joules)	300
Minimum scale graduation for AIT-300-ASTM (Joules)	2
Pendulum drop angle (degree)	140
Striking velocity of pendulum (m /sec)	5.182
Distance between axis of rotation and centre of strike (i.e. length of pendulum) (mm)	775
Effective weight of pendulum (kg)	22.35
Total friction and windage losses (%) of Max. Impact energy	0.75% Max.
Distance between physical percussion centre of pendulum and centre of Charpy specimen (mm)	± 7.75 mm Max.
Striking edge	
Angle of striking edge (degree)	30 ± 2°
Radius of 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