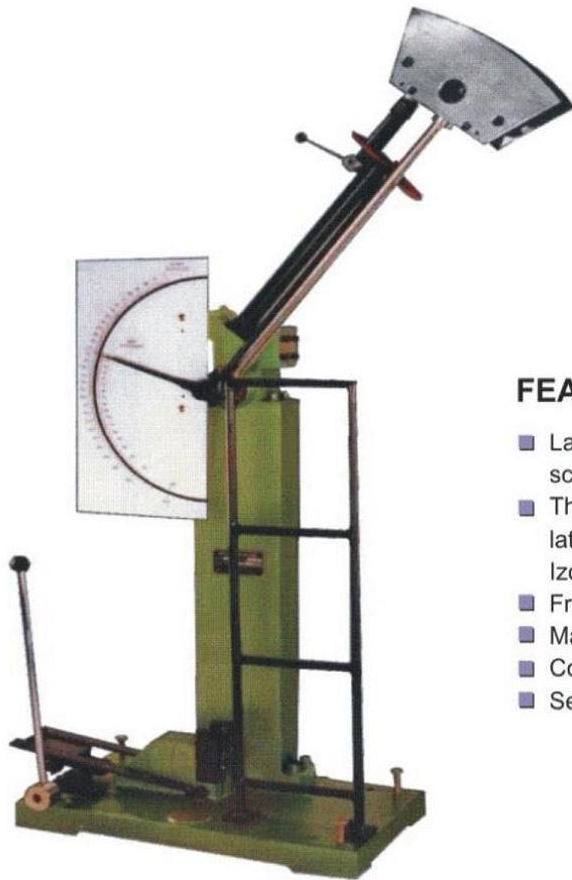


# IMPACT TESTING MACHINE



## FEATURES :

- Large rectangular dial with inner scale for izod and outer scale for Charpy test, in Joules.
- The pendulum is supported separately in two positions by a common latching tube : the upper position for charpy test and the lower for Izod test. \*Interchangeable strikers for Izod, Charpy tests.
- Front guard provided for safety of operation.
- Manual brake for stopping pendulum oscillation after sample failure.
- Common specimen holder for Izod & Charpy test.
- Separate strikers for Izod & Charpy test.

Model : SSS-ITM-300

Specification	SSS- ITM-0.42/1.4 IZOD TEST	SSS- ITM-300 CHARPY TEST	SSS- ITM-300 IZOD TEST
Pendulum drop angle	120°	140°	90°
Pendulum effective Wt.	1.3725 4.75 kg.	21.400 kg.	21.300 kg.
Striking velocity of pendulum	2.45 m/sec.	5.3466 m/sec.	3.857 m/sec.
Pendulum impact energy	0.42 kg-m 1.4	300 J	168 J
Min. Scale graduation	0.005 kg-m 0.07	2 J	2 J
Distance of axis of pendulum rotation from centre of specimen / to specimen hit by pendulum	204 mm	815 mm	815 mm
Max. Permissible loss by friction & Windage etc.	0.50% of impact energy		

IZOD TEST	CHARPY TEST	IZOD TEST
a) Striking edge ● Angle 30° ● Radius of curvature 3.2 mm	a) Striking edge ● Angle 30° ● Radius of curvature 2 mm ● Width 18 mm	a) Striking edge ● Angle 75° ● Radius of curvature 0.7 mm ● Horizontal Relief angle 10° ● Vertical relief angle 5°
b) Support : ● For Gripping specimen with dimension of 12.7x12.7x63.5 mm	b) Support : ● Distance between arms 40 mm ● Sloping Angle 0° ● Relief Angle 10° ● Radius of curvature 1 mm	b) Support : ● For Gripping specimen with dimension of 10x10mm

Due to constant research and development, specifications and features are subject to change without notice.



## SSS INSTRUMENTS

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