

**ZEAL INTERNATIONAL**

(An ISO 9001 Certified Company)

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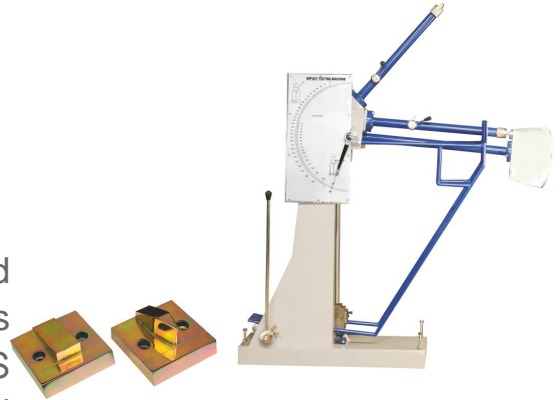
## Charpy Impact Tester ZI 7005

Standards:

Specification:

Designed for conducting CHARPY, 1Z0D and IMPACT TENSION Tests. The test methods confirm to IS 1757-1961, IS 1499-1959 and BS 131 Part 2 % 3, IS 1598-1960, BS 131 (Part 1) and ASTM E 32-47T.

The impact energy absorbed by the specimen during rupture 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 on the dial scale.



### Salient Features:

- Release of Pendulum by Hand operation
- Safety guards for Protection
- Braking Arrangement provided to arrest the swing of pendulum after specimen rupture

### Capacity 30 KgM / 300 Joules

	Charpy and Impact Tension Test	Izod Test
Pendulum drop angle	140°	85°
Pendulum effective weight	20.59 kgs.	21.79 kgs.
Pendulum speed	5.3465 m/sec.	3.857 m/sec.
Pendulum impact energy	30 kgM (300 J)	16.4 kgM (164 J)
Min. graduation	0.2 kgM (2 J)	0.2 kgM (2 J)

Distance of axis of hammer rotation and centre of test piece/point of test piece hit by hammer	825 mm	825 mm
Max. permissible loss by friction X windage, etc.	0.5% of max. impact energy	

**Max. capacity available: upto 100 kgM**

**Also available in Electronic Digital version**