



**BANBROS ENGINEERING PVT. LTD.**

The Precision Measurement People

# DIGITAL IMPACT TESTING MACHINE



- *VALUE*
- *VERSATILITY*
- *PERFORMANCE*

## **BIT-300D**

**FEATURES:-**

- Capacity: Charpy: 300 Joule, Izod: 170 Joule.
- It conforms to BS EN ISO 148 IS 3766-1977, IS 1598-1977, IS 1757-1988, IS1499-1977 (for Charpy) & BS 131 Part I, II, III, IV (for IZOD) current standard.
- Indirect verification with the help of ERM samples can be carried out.
- Direct indication of impact energy absorbed by the specimen on Digital display unit. (Analogue dial is optional.)
- New modified Brake drum unit is provided to stop the pendulum swing instantly after test...
- Safety guard is provided for operator safety.

**TECHNICAL SPECIFICATIONS: -**

Description	Model No. BIT-300D	
	CHARPY	IZOD
Pendulum Drop Angle	140°	90
Pendulum Effective weight(Kg.)	21.300	21.300
Striking velocity of Pendulum (m/Sec)	5.308	3.994
Pendulum Impact Energy (Joules)	300	170
Min. Scale Graduation (Joules)	1	1
L.C. of Digital display (Joules)	0.1	0.1
Distance between axis of Pendulum to center of strike (length of Pendulum in mm)	813.5	813.5
Max. total friction & windage losses	0.5% of Max. Impact energy	05% of Max. Impact Energy
Striking edge		
a. Angle(Degree)	30	70
b. Radius of curvature (mm)	2	0.7
c. Width at tip (mm)	18	--
d. Horizontal relief (Degree)	--	10
e. Vertical relief (Degree)	--	5
Specimen Anvils and Supports		
a. Suitable for max. specimen cross section (mm)	10x10	10x10
b. Distance between specimen Anvils (mm)	40	--
c. Included angle of Anvil tip (Degree)	79	--
d. Radius of curvature at anvil tip (mm)	1	--
Shape of Pendulum Hammer	'U' Shape	'U' Shape
Overall size (mm) (approx)	760(L)x440(W)x1925(H)	
Net Weight	450 Kg approx.	

**STANDARD ACCESSORIES:**

- Charpy Striker R2 mm - 1No.
- Izod Strike R0.75 mm - 1No.
- Charpy - Izod support Block - 1No.
- Specimen setting Gauges for Charpy & Izod - 1 each.
- Allen key Set - 1 set.
- Instruction Manual - 1 No.