

## **DVT CD D 50IC**

### **CHARPY-IZOD IMPACT TESTER**



**USED TO DETERMINE BREAKING FORCE FOR PRODUCTS  
MADE OF METAL, PLASTIC, WOOD OR SIMILAR MATERIALS**

## DVT CD D 50IC

### TECHNICAL SPECIFICATIONS

Used to measure breaking energy of materials subjected to impact.

#### USED IN

- PVC and plastics industry.
- Plastic pipe manufacturers.
- Shoe industry.
- Forestry products industry.
- Metal (Iron, aluminium, copper etc.) industry.

#### RELEVANT STANDARDS

- EN ISO 179-1 / TS EN ISO 179-1 (Charpy plastic)
- TS ISO 9854-1 (Charpy pipe)
- EN ISO 148-1 / TS EN ISO 148-1 (Charpy metal)
- EN ISO 148-2 / TS EN ISO 148-2 (Charpy metal)
- EN ISO 148-3 / TS EN ISO 148-3 (Charpy metal)
- ISO 180 (Izod plastic)
- ASTM E23-02 (charpy/izod metal)
- ASTM D256 (Izod plastic)
- ISO 13802 / TS ISO 13802 (Charpy/Izod plastic)

METHOD	Capacity	Drop rate
CHARPY	1 J, 2 J, 4 J, 5 J	2.9 m/s
	7.5 J, 15 J, 25 J, 50 J	3.8 m/s
CHARPY (pipe)	15 J, 50 J	3.8 m/s
IZOD	1 J, 2.75 J, 5.5 J, 11 J, 22 J	3.5 m/s

#### APPROXIMATE DIMENSIONS AND WEIGHT

	DVT CD D 50		
	CD D 50IC	CD D 50I	CD D 50C
W, D, H, cm	110x46x96		
Weight, kg	125 - 185		
Method	Izod/Charpy	Izod	Charpy

#### TECHNICAL INFORMATION

- Power input: 220 V 50 Hz.
- Adjustable non-skid feet.
- Emergency stop button.
- Colour touch-screen.
- Language options: Turkish, English, French and Russian
- Possibility of starting test on touch-screen.
- Possibility of selecting standard no., sample form, cross-sectional area, test type and hammer type.
- Hammer's drop angle: 155°.
- Drop angle accuracy: 0.1°.
- Display of current potential energy on touch-screen with 0.0001 joule accuracy.
- Display of test time on touch-screen with 0.01 second accuracy.
- Possibility of obtaining energy absorbed (J), impact strength (J/m<sup>2</sup>) and standard deviation results at the end of the test.
- Possibility of storing up to 10 test results in memory.
- Unit options for energy absorbed: Joule, kJ, kgf.m, N.m.
- Unit options for impact strength: J/m<sup>2</sup>, kJ/m<sup>2</sup>, N.m/m<sup>2</sup>, kgf.m/m<sup>2</sup>.
- Possibility of transferring test results in excel format to computer by means of usb to obtain test report in pdf format.
- Protective shield and Plexiglas front lid.
- Hammer won't drop when Plexiglas lid is open as a safety measure.
- Robust and reliable equipment that does not require any specific maintenance.

#### OPTIONAL FEATURES

- Charpy hammer
- IZOD hammer and clamp
- Hammer options in the range of 1 - 50 Joule

**Note:** Devotrans reserves the right to modify the equipment described in the brochure. The model in the picture may not be the latest one.