



## **Charpy/ Izod Impact Tester LD-TCI-A10**

**Labodam Equipment Ltd.**  
**[info@labodam.com](mailto:info@labodam.com) | [www.labodam.com](http://www.labodam.com)**

# Charpy/ Izod Impact Tester LD-TCI-A10

## Overview

Charpy/ Izod Impact Tester TCI-A10 comes with LCD digital display, pendulum design which concentrates energy at the impact point with minimum energy loss which occurs due to vibrations. It comes with broad range of measurement methods like test for split strength, impact intensity, fore elevation, ascending angle, statistics function, and automatic correction energy loss. With high precision & performance this charpy/ Izod Impact Tester is complied in accordance with ISO 179 for charpy, ISO 180, ASTM D256 for Izod test methods.

## Features:

- Innovative design impact tester used for both Izod and Charpy test
- Adopted with LCD digital display to view measuring circle angle
- Pendulum up angle 160°
- Precise impact speed and center distance values for Charpy & Izod materials
- Resolution of impact energy 0.001 J
- Can be connected to mini printer to print results

## Applications:

It is used to test plastic sheets, glass-steel sheets, plastic pipe & other non-metallic materials sheets or insulators of plastic for anti-impact, anti- charpy intensity.

## Specifications:

|                                           |                                                         |
|-------------------------------------------|---------------------------------------------------------|
| <b>Power</b>                              | 110V/ 220V , 60Hz/ 50Hz                                 |
| <b>Weight</b>                             | 190 kg                                                  |
| <b>Dimension</b>                          | 460×330×745 mm                                          |
| <b>Pendulum up angle</b>                  | 160°                                                    |
| <b>Impact energy (Izod)</b>               | 3.5 m/s for 1J, 2J, 4J, 5J, 7.5J, 15J, 25J              |
| <b>Resolution of impact energy</b>        | 0.001 J                                                 |
| <b>Impact Speed &amp; Energy (charpy)</b> | 2.9 m/s for 1J, 2J, 4J, 5J & 3.8 m/s for 7.5J, 15J, 25J |
| <b>Impact center distance (Izod)</b>      | 322 mm                                                  |
| <b>Radius of striking edge (IZOD)</b>     | 0.8 mm                                                  |
| <b>Impact center distance (Charpy)</b>    | 221 mm for 1J, 2J, 4J, 5J & 380 mm 7.5J, 15J, 25J       |
| <b>Radius of striking edge (Charpy)</b>   | 2.0 mm                                                  |
| <b>Charpy distance between the clamps</b> | 40 mm, 60 mm, 70 mm, 95 mm                              |

|                                     |      |
|-------------------------------------|------|
| Distance between jaw & impact edge: | 22mm |
|-------------------------------------|------|