Izod / Charpy Impact Tester

Model No. : IZC-222

IZOD/Charpy Impact Tester is a consistent tool to measure the impact resistance of materials under sudden falling force or impact. PRESTO IZOD/Charpy Impact Tester is manufactured under various Test Standards ASTM D256 - 10, ASTM D618 - 13, ASTM D883 - 12, ASTM D1204 - 14, ASTM D1248 - 12, ASTM E691 – 14.

- Microprocessor based display for accurate test results
- Display for impact/absorbed energy and angle of test specimen
- Separate fixtures for Izod and Charpy test.
- Highly accurate test results under impact forces.
- Strong gripping fixtures for Izod/Charpy tests.
- Electromagnetic Pendulum release mechanism
- Bright LED display
- Inbuilt calibration facility
- Feather touch controls

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Izod/Charpy Impact Tester reveals the impact strength in terms of J/m. This tester is used to design the impact strength of plastics.

**Key Specifications:**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td>Capacity</td>
<td>Upto 21.68 Joules</td>
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<tr>
<td>Range of Scales</td>
<td>2.71 J, 5.42 J, 10.84 J, 21.68 J</td>
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<tr>
<td>Display</td>
<td>LED (Digital) 7 Segment</td>
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<tr>
<td>Accuracy</td>
<td>± 2% at full range</td>
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<tr>
<td>Resolution</td>
<td>R1-0.02, R2-0.05, R3-0.1, R4-0.2 J respectively</td>
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<tr>
<td>Power</td>
<td>220V, Single phase, 50 Hz</td>
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<tr>
<td>Release angle of pendulum</td>
<td>150º</td>
</tr>
<tr>
<td>Radius of Izod Hammer</td>
<td>0.79 ± 0.12 mm</td>
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<tr>
<td>Radius of Charpy Hammer</td>
<td>3.17 ± 0.12 mm</td>
</tr>
</tbody>
</table>

**Highlights:**

- Pendulum Release Mechanism: Electromagnetic
- Material: Mild Steel
- Finish: Powder coated Havel Gray & Blue combination finish and bright chrome / zinc plating for corrosion resistant finish
- Dimensions: 855 x 521 x 753 mm

The Izod/Charpy Impact test is significant in testing and evaluating the impact resistance of various plastic products. The test is used to determine the energy that is required to break a standard test specimen using the pendulum method. This highly reliable instrument is a must for all plastic testing laboratories and quality control departments.

**Optional Accessory:**

- Motorized Notch Cutter
- Izod Impact Tester Digital cum Computerised also available

Thank you customers for choosing us as your partners in growth!

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**OUR OTHER PRODUCTS:**

- Top Load Tester
- Computerised Wall Thickness Gauge
- Transparency Tester
- Eccentricity Tester
- Moisture Analyzer MB 45
- Preform Neck Cutter

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