

SERIES IM-1100,1200

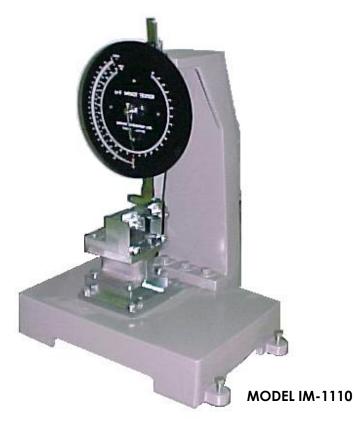
IZOD/CHARPY IMPACT TESTER

Outline

The Izod/Charpy Impact Testers, the Series IM-1100 and IM-1200 are designed to measure energy value (absorbed energy value) energized for the destruction of the test piece which gets impact by a rotating hammer and destroyed. The test piece has two types in fixed size; one is with scratch and the other one is without scratch which refers to the JIS 7110(Plastics-Determination of Izod impact strength) and the JIS K 7111 (Plastics-Determination of Charpy impact strenath).

This impact tester is designed to evaluate the solid state properties about impact-resistance, frailty, tenacity, etc of the test piece figured out by Charpy impact value and Izod impact value from the cross-sectional area of the test piece and the absorbed energy value.

A dial showing angle when the hammer is lifted and a dial showing Joule unit for the absorbed energy value are included as accessories.





JIS Q 14001, JSAE1529

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Feature

- OAs the main body of the instrument is strongly built and sympathetic vibration is prevented at the time of the destruction of the test piece, absorbed energy can be measured correctly.
- Olt has two different capacities of hammers as accessories.
- Olt has a gauge for location of the test piece as accessories.
- OMain body of the instrument can be fixed by a test platform bolt.
- OAs it has a gauge for absorbed energy value, a conversion chart is not necessary.

Specification

| MODEL | IM-1110/1120 | IM-1210/1220/1230 |
|----------------------------|--------------------------------|---------------------------------------|
| Item | Izod impact tester | Charpy impact tester |
| Reference Standard | JIS K 7110 | JIS K 7111 |
| Lifting angle of Hammer | 150° | |
| Size | 580(W) × 410(D) × 794(H) mm | |
| Weight | Approx. 60 kg | |
| Combination of | 1J and 2.75J / 2.75J and 5.5 J | 0.5J and 1J / 2J and 4J / 4J and 7.5J |
| capacities | | |
| Impact speed | 3.5(±10%) m/s | 2.9(±10%)m/s in volume below 4J |
| | | 3.8(±10%)m/s in volume below 7.5J |
| Impact point of test | 22±0.2mm from the support | Center point between the support |
| piece | platform of test piece | platforms of test piece |
| Top radius | 0.8mm | 2±0.2mm |
| of hammer | 0.811111 | 2±0.211111 |
| | 2 pcs. of impact hammer | 2 pcs. of impact hammer |
| Accessories | Location gauge for test piece | Span regulation gauge between |
| | Fixing handle for test piece | Support platform for test piece, |
| | Replacement tool for hammer | Replacement tool for hammer |
| | in a wooden case | in a wooden case |



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