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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 K 7110(Plastics-Determination of Izod impact strength) and the JIS K 7111(Plastics-Determination of Charpy impact strength).

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.



MODEL IM-1110



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Feature

- As 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.
- It has two different capacities of hammers as accessories.
- It has a gauge for location of the test piece as accessories.
- Main body of the instrument can be fixed by a test platform bolt.
- As 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 capacities	1J and 2.75J / 2.75J and 5.5 J	0.5J and 1J / 2J and 4J / 4J and 7.5J
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 piece	22±0.2mm from the support platform of test piece	Center point between the support platforms of test piece
Top radius of hammer	0.8mm	2±0.2mm
Accessories	2 pcs. of impact hammer Location gauge for test piece Fixing handle for test piece Replacement tool for hammer in a wooden case	2 pcs. of impact hammer Span regulation gauge between Support platform for test piece, Replacement tool for hammer in a wooden case

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<Manufacturer>

Ueshima

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※Please be noted that the contents in this brochure may change without prior notice due to improvement of the equipment. 027-468226-5