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Analysis & Testing Instruments

Pendulum impact tester GBD-B



Introduction

The pendulum impact measuring instrument GBD-B is designed and manufactured by the GBPI R&D team based on ASTM D3420 and other standards. It is suitable for the pendulum impact resistance of plastic films, sheets, composite films, metal foils and other materials. This testing machine can be used in scientific research, teaching, industrial and mining enterprises, laboratories, research institutes and quality supervision departments.

Test principle

This instrument uses a semi-spherical punch to impact and break the sample at a certain impact speed, thereby measuring the energy consumed by the punch, and uses this energy value to evaluate the energy value of the film sample against pendulum impact.

Standard

ASTM D3420



Specification

Item	Technical Parameters
Maximum impact energy	3 J
Dial minimum division value	0.01 J
Pendulum lift angle	90°
Pendulum swing radius	285 mm
Impact speed	About 2.5 m/s
Impact head size	Φ19 mm, Φ25.4 mm
Specimen holder dimensions	Φ60 mm, Φ89 mm
Sample size	100 mm×100 mm
Dimension	740 mm×260 mm×600 mm
Weight	44 kg

Features

- ◆ Mechanical pendulum impact tester, the dial and pointer intuitively display the test results;
- ◆ Manual operation, simple and easy to use;
- ◆ Impact head specifications and fixtures can be customized.

Application

	<p>Film</p>	<p>Suitable for pendulum impact resistance testing of plastic films, sheets, and composite films. Such as PE/PP composite film, aluminized film, aluminum-plastic composite film, nylon film, etc. for food and drug packaging bags.</p>
	<p>Paper and cardboard testing</p>	<p>Suitable for testing the pendulum impact resistance of paper and cardboard, such as cigarette pack aluminized paper, Tetra Pak packaging aluminum-plastic paper composite materials, etc.</p>

Factory configuration

<p>Standard configuration</p>	<p>Host, sample holder, impact head, professional tools</p>
<p>Optional</p>	<p>Measurement certificate</p>
<p>Remark</p>	<p>3-holes socket ground wire</p>

Note: GBPI has always been committed to the innovation and improvement of product performance and function. For this reason, product technical specifications and appearance will also be changed accordingly.

The above situation will not be notified. GBPI reserves the right of modification and final interpretation.



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