

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

	Film	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.
	Paper and cardboard testing	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.

Factory configuration

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

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.





Service Commitment

- ◆ Free packaging inspection technical support.
- ◆ One-year warranty for instrument, free software upgrade service, and lifetime free technical support.
- ◆ Free to the factory to train the operation of the instrument, qualified people issued graduation certificates, free accommodation and food.
- ◆ Instrument “trade-in” policy and provision of backup instruments in case of failure.
- ◆ There is a testing center (CNAS L8185) to provide incoming sample testing and sample data comparison services.
- ◆ Set up a Reference Standards Development Center to provide calibration services.

Company Introduction

Guangzhou Biaoji Packaging Equipment Co., Ltd. was established in 2002 and located in Guangzhou Economic Development Zone. It is a company integrating R&D, production and sales of packaging testing instruments, packaging equipment, modified atmosphere preservation equipment and other products, as well as providing third-party testing and standard material proficiency testing. It is committed to providing comprehensive, professional and high-quality products and technical services for packaging, food, medicine, testing and other industries.

Write industry standards with quality, and become the leader and leader in the field of global packaging testing. The 80,000-mile journey is sailing, and GBPI will escort you!



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