

GBD-S Tear Tester



Application

The tear tester (elemendorf method) is mainly used to measure tear resistance of paper and film. It is controlled by computer automatically and can be tested independently. Suitable for testing tear resistance of film, PVC, polyolefin, polyester, composite film, sheet, non-woven fabric, textile, paper and board, etc.

Standards

ASTM D1922, ASTM D1424, ASTM D689, ISO 6383, ISO1974, and TAPPI T414.

Features

- ◆ LCD display test data.
- ◆ Can test independently without computer; auto process data.
- ◆ Built-in printer can print out report.
- ◆ Pneumatic clamps and pendulum release can effectively avoid the systematic error caused by human factors.
- ◆ Software: simple interface, easy to use; real time displays test data and curve;

- ◆ Report printout with optional printer

Specifications

Item	Technical Parameters
Test range	0-6400gf 0-66203mN
Tearing arm	104±1mm
Initial tearing angle	27.5°±0.5°
Indication error	within ±0.5% in 20%-90% of max range
Air Source Pressure	0.2-0.4Mpa (supplied by user)
Relative fluctuation	within 1%
Gas supply port	Φ6mm polyurethane pipe
Instrument size	440mm x400mm x 650mm
Weight	24kg
Power	100W
Mainframe Power Supply	AC220V 50Hz

Configuration List

A、Spare parts			
NO.	Name	Remark	Quantity
1	Power cable	3*0.75 10A 1.8M	1 PC
2	Data cable	RS232 nine-pin	1 PC
3	Standard weights (G)	110、220、440、880、 1730、3470	6 PCS
4	Software flash disk	4G	1 PC
5	Wide blade		1 Box
6	Cross screwdriver	6-10mm	1 PC

7	Allen wrench	M3	1 PC
8	Wooden box		1 PC

B、Optional parts

NO.	Name	Unit	Quantity	Remark
1	Metrology Certificates			Optional
2	Air compressor			Optional
3	Computer			Optional

C、User provide

1	Power supply	500w	220V	10A	three holes socket	ground wire
2	Gas source (such as Air compressor) specification 2.5HP、8KG pressure					
3	High-pressure air pipe (Φ6mm plastic pipe)					
4	Air filter (filter dust, filter oil, filter water)					

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