

GBD-S Tear Tester (Elemendorf Machine)



Application

The tear tester 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 flexible PVC, polyolefin, polyester, composite film, sheet, non-woven fabric, textile, paper and board, etc.

Standards

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

Features

- ◆ LCD displays test data.
- ◆ Can test independently without computer; auto process data.
- ◆ Micro-printer can print out report.
- ◆ Pneumatic holding and release device.
- ◆ Software: simple interface, easy to use; real time displays test data and curves.

Specifications

Item	Technical Parameters
Test range	0-6400gf or 0-62720mN
Tearing arm	102.7±0.05mm
Initial tearing angle	27.5°±0.5°
Gas source pressure	0.2-0.4Mpa (user provides)
Weights	200g, 400g, 800g, 1600g, 3200g, 6400g
Air pipe	Φ6mm polyurethane
Instrument size	440mm x400mm x 650mm
Weight	23.8kg
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)	200g, 400g, 800g, 1600g, 3200g, 6400g	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

B. Optional parts

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

C. User provides

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)			

Note: GBPI is always committed to product innovation and improvement, accordingly product technical specifications are subject to be changed without notice.