

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

Standards

GB/T 16578.2, GB/T 455, ASTM D1922, ASTM D1424, ASTM D689, ISO 6383, ISO1974, TAPPI T414

Features

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

- ◆ Can export professional test report.

Specifications

Item	Technical Parameters
Test range	0-6400gf 0-18000mN
Tearing arm	104±1mm
Initial tearing angle	27.5°±0.5°
Indication error	within ±0.5% in 20%-90% of max range
Gas supply pressure	0.2-0.4Mpa (user provides gas supply)
Relative fluctuation	within 1%
Gas supply port	Φ6mm polyurethane pipe
Instrument size	430mm x370mm x 650mm
Weight	50kg
Power	100W
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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