

SLY-SI Tearing Tester

Tearing tester is designed and manufactured according to ISO 6383, ISO 1974, GB 11999, GB/T 455.1, GB/T 455.2, ASTM D 1922, ASTM D 1424, and TAPPI T414, applicable in tearing resistance test of films, laminated films, foils, paper and textiles.

1. Characteristics

- .Conforms to state standards and compatible with ISO and ASTM standards.
- .Computer controls, Windows operation system, professional software.
- .Rapid data gathering, high and reliable.
- .Pneumatic system clamps specimens and releases.
- .Tearing range is easy to change.
- .Selectable capacities of pendulum.
- .Assistant system of horizontal adjustment by computer.
- .Computer controls test, multifold units display.
- .Database mode storage, format is easy to change.
- .Easy to operate.

2. Test principle

Lift the pendulum up to certain height, enable it to have a certain potential energy, pendulum tears the specimen while swinging down, computer calculates the decreasing energy caused by tearing.

3. Unit construction principle

It is made up with pendulum bracket, pendulum, shaft, stationary clamp, movable clamp, augmenting weights, knife, pendulum releasing system, and computer.

4. Operation demo

Horizontal adjust -- lift the pendulum, fit it -- clamp specimen -- slit the specimen -- test -- examine data -- test over

5. Technical data

Capacities of pendulum : 200gf, 400gf, 800gf, 1600gf, 3200gf, 6400gf

Dimension: 480(L) mm x 380(B) mm x 560(H) mm

Power: AC 220V 50Hz / 60Hz

Net weight: 23.5kg (200gf basic pendulum)

6. Configuration

Mainframe, 200gf basic pendulum, 200gf augmenting weight, 200gf check weight, communication cable, software

Note: Users provide test gas for themselves.

7. Optional configuration

200gf basic pendulum, 1600gf basic pendulum, 400gf augmenting weight, 800gf augmenting weight, 3200gf augmenting weight, 6400gf augmenting weight, 200gf check weight, 400gf check weight, 800gf check weight, 1600gf check weight, 3200gf check weight, 6400gf check weight, sample cutter, knife

8. Standard

ASTM D1922、ASTM D1424、TAPPI T414、ISO 6383、ISO 1974、GB 11999、GB/T 455.1、GB/T 455.2、JIS P8116、JIS K7128

