

## PARAM<sup>®</sup> SLY-S1 Tearing Tester

PARAM SLY-S1 Tearing Tester is designed for the tearing test of films, sheets, flexible PVC, PVDC, waterproof films, woven materials, polypropylene, polyester, paper, cardboard, textile and non-woven and etc.

### Features

- Computer control
- Automatic and electronic measurement
- Pneumatic specimen clamping and pendulum releasing
- Fast force-range selection
- Multiple capacities of pendulum
- Multi-testing units
- RS232 port
- Horizontal adjustment system
- Network transmission interface for LAN data management and Internet data transmission



### Principle

Lift the pendulum up to a certain height to give it a certain amount of potential energy. The pendulum tears the specimen while swinging down. Computer calculates the decreasing energy caused by tearing to obtain the required force for tearing.

### Technical Indexes

- Pendulum capacities: 200gf (optional 400gf, 800gf, 1600gf, 3200gf, 6400gf)
- Pressure of compressed air: 0.6MPa (compressed air should be provided by users)
- Compressed air inlet size:  $\Phi$ 4mm polyurethane pipe
- Dimensions: 480mm(L) x 380 mm(B) x 560mm(H)
- Power: AC 220V 50Hz
- Net weight: 23.5kg (200gf configuration)

### Standards

ASTM D1922, ASTM D1424, ASTM D689, TAPPI T414, ISO 6383, ISO 1974, GB 11999, GB/T 455.1, GB/T 455.2

### Configuration

**Standard:** mainframe, one basic pendulum, one augment weight, one check weight, communication cable, software

#### Optional:

- basic pendulum: 200gf, 1600gf
- augment weight: 400gf, 800gf, 3200gf, 6400gf
- check weight: 200gf, 400gf, 800gf, 1600gf, 3200gf, 6400gf
- and sampling knife

**Note:** the compressed air inlet of this tester is  $\Phi$ 4mm polyurethane pipe; Users should provide compressed air by themselves.