

**sisco**

# **Paper Tearing Strength Tester**

SISCO-TT-ST-SL1000



## Introduction

The ST-SL1000 mechanical paper tear tester is a specialized instrument for measuring the tear strength of paper. Its main technical indicators and performance parameters comply with relevant provisions of standards such as ISO 1974 "Paper - Determination of Tear Strength (Elmendorf Method)". It is an ideal testing instrument for industries and departments such as papermaking, scientific research, and product quality supervision and inspection.

## Technical Parameters

### Measurement Range

(10~1000) mN, with standard pendulum and light pendulum as standard configurations; the lightest pendulum is specially customized according to user requirements.

### Standard Pendulum

(10~1000) mN, graduation value 10 mN

### Light Pendulum

(10~500) mN, graduation value 5 mN

### Lightest Pendulum

(10~200) mN, graduation value 2 mN

### Indication Accuracy

Indication Error

$\pm 1\%$  within 20%~80% of the upper limit value,  $\pm 0.5\%FS$  outside this range

Indication Repeatability Error

$\leq 1\%$  within 20%~80% of the upper limit value,  $\leq 0.5\%FS$  outside this range

### Tearing Force Arm

(104 $\pm$ 1) mm

### Initial Tearing Angle

27.5 $\pm$ 0.5 $^\circ$

### Tearing Distance

(43 $\pm$ 0.5) mm

### Clamping Surface Dimensions

(25 $\times$ 15) mm

### Distance between Clamps

(2.8 $\pm$ 0.3) mm