

# Socks and Hosiery Tensile Tester

This tester is mainly used to determine the straight extension and transverse extension of stockings, swimwear, pantyhose, and knitted pants. It provides valuable data for quality control and material research.



## Overview

### Precision Tensile Testing for Hosiery

This versatile tensile tester is engineered specifically for evaluating the elastic properties and durability of socks and hosiery. Featuring a vertical stretching structure for easy sample installation, the instrument provides precise control via a Siemens PLC system. It supports multiple testing modes, including constant tensile, fixed tensile, and elastic recovery, making it an essential tool for quality control and material research.

## Performance

### Tensile Speed

**20 mm/s**

Minimum Speed

**250 mm/s**

Maximum Speed

### Testing Capabilities

- Constant tensile test
- Fixed tensile test
- Fixed elongation force
- Constant elongation rate
- Constant timing elongation
- Force elongation analysis
- Elastic recovery measurement
- Plastic deformation analysis

Test Movement Range	3000 mm
Rated Tension Range	0.1N - 200N

## Physical Attributes

Structure Size	1000mm x 700mm x 3500mm
Total Weight	120 kg
Design Features	Vertical stretching structure, Small footprint, Ergonomic control panel, Siemens PLC control

## Compliance

### Compliance Standards

FZ / T 70006 • FZ / T 73001 • FZ / T 73011 • FZ / T 73013 • FZ / T 73029 • FZ / T 73030 • CE • SGS