



## Application

Designed for tensile testing of hair and man-made fibers, suitable for quality control, research, and material evaluation.

## Features

- Suitable for tensile testing of hair and man-made fibers
- Wide load capacity options (2–200 kg) with high accuracy (Class 0.5)
- High-resolution force measurement (1/250,000) with stable accuracy across the full test range
- Adjustable test speed (0–500 mm/min) and large test space (150 mm width, 600 mm travel)
- Electronic limit protection for safe operation
- Manual or automatic return function for user convenience

## Specification

- Capacity options include 2, 5, 10, 20, 50, 100, and 200 kg
- Accuracy level 0.5
- Effective force measurement range: 0.4% to 100%
- Accuracy of force measurement within  $\pm 0.5\%$  of the indicated value
- The maximum load resolution of the testing machine is  $1/\pm 250000$  yards, with no internal or external grading, and the resolution remains unchanged throughout the entire process
- Basic configuration of load sensor: tension and pressure sensors (maximum load)
- Effective test width: 150mm
- Effective stretching space: 600mm
- Test speed range: 0-500mm/min
- Displacement measurement accuracy within  $\pm 0.5\%$  of the indicated value
- Test bench safety device electronic limit protection
- The test bench return function has two options: manual or automatic. After the test is completed, it will automatically or manually return to the initial position of the test

*\*Technical Data Subject to change without notice.*



AdLab is a globally recognized brand specializing in the manufacturing and supply of high-quality laboratory equipment and textile testing instruments. With over 15 years of experience, we are committed to delivering precision-engineered solutions that meet the needs of industries such as textiles, pharmaceuticals, research laboratories, and educational institutions. Our products are designed to enhance efficiency, accuracy, and reliability in scientific and industrial applications.

## Our Skill

At AdLab, we combine expertise in precision engineering with advanced laboratory technology to create innovative and reliable testing instruments. Our team of skilled professionals continuously works on improving product designs, integrating the latest advancements in technology, and ensuring compliance with international quality standards. With a strong focus on research and development, we provide customized solutions that cater to the unique needs of our customers worldwide.

## Our Products

AdLab offers a wide range of high-quality laboratory and textile testing instruments, including Yarn & Fiber Testing Instruments, Laboratory Fume Hood Chambers, Ovens & Incubators, Water Baths, Textile Testing Instruments, Dyeing & Finishing Machines, Ceramic Testing, Tensile Testing, Washers & Dryers, Needle Detectors, and In-House Testing Equipment. Designed for precision and efficiency, our products ensure accurate testing and reliable performance across various industries.

## Our Services

At AdLab, customer satisfaction is our top priority. We provide comprehensive support services to ensure the smooth operation of our equipment, including:

- ✓ 24/7 Technical Support Team – Our highly trained technical support team is available around the clock to assist with troubleshooting, maintenance, and operational guidance. Whether you need immediate assistance or expert advice, we are always ready to help.
- ✓ Installation & Training – We offer professional installation services and hands-on training to help users operate our equipment efficiently.
- ✓ Calibration & Maintenance – Regular calibration and maintenance services ensure that your laboratory instruments remain accurate and in optimal working condition.
- ✓ Customized Solutions – We provide tailored solutions to meet specific industry requirements, helping our clients achieve maximum efficiency in their operations.

## Global Networks



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### AdLab Instruments Co., Ltd

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