



Universal Tensile Strength Tester (Single Column) Model: ADL-UT2.5Kn / ADL-UT5Kn

Application

This tester is designed for conduct tensile, compression, bending, shearing, bonding strength, peeling, tearing and other tests for rubber, plastic, leather, metal, nylon line, yarn, fabric, paper, aviation, package, construction, petrification, electrician, vehicle and other materials. It is a basic equipment of quality control, receiving inspection, physical test, mechanics research, material development.

Features

- This machine adopt AC servo drive system, reducer, synchronous pulley, TBI precision ball screw components, instruments beammoving smoothly with low noise and high precision extension.
- This machine adopt aluminum column shell, deal with high temperature & solidify injection on the machine surface will never fade.
- This machine adopt many kinds of protection measures:
 - a. Beam's limit cams protecting device
 - b. Clamp touch avoid protecting device
 - c. Set up protection on displacement & load software
 - d. Sensor overload protection
 - e. Sample load software protection
 - f. Overcurrent & overvoltage protection
- Real time supervision to main parts, more safe & reliable while using machine.
- This machine adopt open system: user can edit test program, data analysis formula, test report according to test material's category, character and test methods requires.
- This machine provide many kinds of humanity automatic mode. While using electronic clamp, trial initiation can set as clamp grip auto start or pre-tension auto grip start. It also set as clamp auto open after finished test.



Key Specification

- | | |
|----------------------------|---|
| • Model | : ADL-UT2.5Kn ADL-UT5Kn |
| • Display | : Computer Display |
| • Max. Capacity | : 2.5Kn 5Kn |
| • Force Resolution | : 1/100000 |
| • Force Accuracy | : $\leq \pm 0.2\% F.S$ |
| • Stroke | : 1000mm |
| • Test Speed | : 0.01-1000mm/min |
| • Stop Mode | : Overload stop, emergency stop button, specimen damage automatic stop, upper & lower limit set automatic stop, automatic return function |
| • Machine Drive | : Servo motor drive, Synchronous wheel and precision ball screw drive |
| • Power | : 200W |
| • Power Supply | : AC 220V 50/60HZ |
| • Dimensions (W x D x H) | : 670×480×1440mm |
| • Weight | : 120kg |

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Standards

ISO13934-1,13934-2,13935-1,13935-2,13936-1,13936-2,13936-3, 13937-2,13937-3,13937-4,1421, 2411, 2062, 4674-1,5082, 9073.3, 9073.4, 9073.18

BS 2543, 2576, 3320, 3424, 4303,

M&S P11, P12, P13, P14

JIS L1096

ASTM D 434, D751, D885, D1683, D2256, D2261, D2724, D2731, D3787, D4034, D4964, D5034, D5035, D5587, D5733, D5735.

Accessories

Standards accessories	1 set	Pneumatic Grips
	1 pc	English Operation
	1 pc	Cable Connect with PC
	1 pc	Load cell
Optional accessories	Optional	Other Grips and Load Cell
	1 set	Desktop Computer

**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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