

Fabric Moisture Permeability Tester Model: ADL-FMP202

Scope

It is used to determine the moisture permeability of various fabrics (including moisture-permeable coated fabrics) and non-woven fabrics such as cotton wool and space cotton.

Related Standards

GB/T12704 ASTM E90/E96 JIS L1099A BS 7209
ISO15496/JIS L1099 method B1 (customized) ISO 71230 etc.

Instrument Characteristics

- Automatically power on, preset to automatically start testing, no need to wait, more flexible to use;
- High-precision wind speed sensor, real-time closed-loop control of wind speed.

The servo motor follows up and controls the wind speed in real time to ensure the stability and sensitivity of the wind speed;

- Mature refrigeration system, after long-term testing, operates stably;
- Use saturated steam to humidify and humidify evenly. The test door adopts an anti-condensation structure design to effectively prevent condensation;
- Multiple sets of PID adaptively adjust temperature and humidity, the adjustment is fast and stable, and the resolution far exceeds the standard;
- Equipped with sample drying function;
- Integrate national standard, American standard, Japanese standard and other standard tests;
- 32-bit processor, 24-bit high-speed analog-to-digital conversion chip;
- Automatically calculate experimental results, equipped with a thermal printer, making printing convenient and fast;
- High-definition touch screen multi-language display, temperature, humidity, and human-computer interaction are faster.



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Technical Parameters

- Temperature range: 15°C~40°C, accuracy $\pm 0.1^\circ\text{C}$, resolution 0.01°C;
- Humidity range: (30~95)RH%, accuracy $\pm 2\%RH$, resolution 0.01%RH;
- Standard test temperature and humidity:
 - 20°C $\pm 0.5^\circ\text{C}$, 65 $\pm 2\%RH$;
 - 23°C $\pm 0.5^\circ\text{C}$, 50 $\pm 2\%RH$;
 - 32°C $\pm 0.5^\circ\text{C}$, 50 $\pm 2\%RH$;
 - 38°C $\pm 0.5^\circ\text{C}$, 50 $\pm 2\%RH$;
 - 38°C $\pm 0.5^\circ\text{C}$, 90 $\pm 2\%RH$;
 - 40°C $\pm 0.5^\circ\text{C}$, 90 $\pm 2\%RH$;
- Wind speed: (0.02~3)m/s, resolution 0.01m/s;
- Wind speed adjustment method: automatic adjustment;
- Quantity of moisture permeable cups:
9 national standard moisture-permeable cups (American standard and Japanese standard A method can be selected);
- Oven control temperature: room temperature ~ 200°C;
- Power supply: AC220V, 50Hz, 5kW (maximum power);
- Overall dimensions: (950×820×1840)mm;
- Weight: 350kg.

**Technical Data Subject to change without notice.*

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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

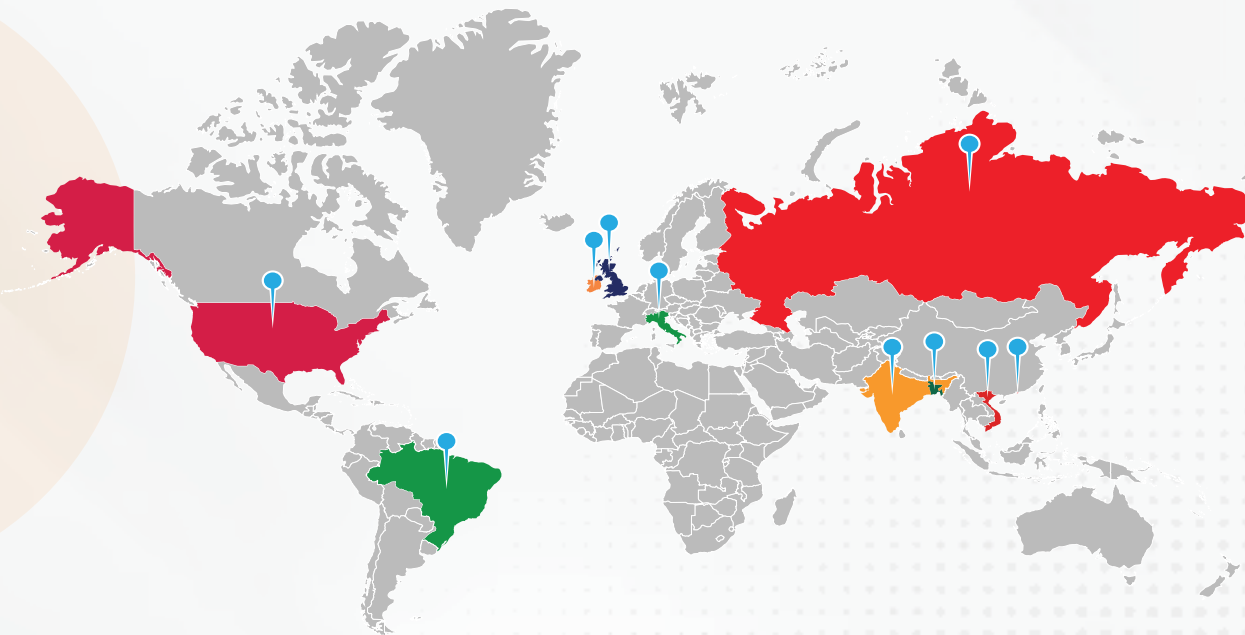
AdLab offers a wide range of high-quality laboratory and textile testing instruments, including Yarn & Fiber Testing Instruments, Laboratory Fume Hood Chambers, Ovens & Incubators, Water Baths, Textile Testing Instruments, Dyeing & Finishing Machines, Ceramic Testing, Tensile Testing, Washers & Dryers, 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

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- ✓ 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.

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AdLab Instruments Co., Ltd

★ RM 602, 6/F, Kaiyue Comm Building, No.2C, Argyle Street, Mongkok Kowloon, Hong Kong

🇮🇹 20A Cuil Na Carriage, Ballymakeera, Co-Cork, Ireland (EU)

✉ info@adlabinstruments.com 🌐 www.adlabinstruments.com