

Insulation Resistance and Liquid Penetration Tester

This instrument tests a material's resistance to liquid penetration under set time and pressure conditions. It can also detect live virus penetration even when liquid permeation is not visible, addressing limitations of standard visual tests.



Product Overview

Precision Liquid Penetration Testing

This specialized instrument is engineered to evaluate the resistance of medical protective clothing against liquid penetration, including blood and body fluids. By utilizing the hydrostatic pressure test method, it effectively assesses material performance against blood-borne pathogens and synthetic blood. This system is essential for quality control and research in industries requiring rigorous safety standards for protective gear.

Testing Capabilities

Test Targets

- Synthetic blood
- Blood-borne pathogens
- Phi-X 174 bacteriophage
- Body fluids

Suitable Applications

Medical Protective Clothing, Protective Gloves, Outer Covers, Coveralls, Protective Boots

Standards Compliance

Supported Standards

| Standard Organization | Standard ID |
|-----------------------|-------------|
| ASTM | F1670 |
| ASTM | F1671 |
| ASTM | F903 |
| ISO | 16603:2004 |
| ISO | 16604:2004 |
| YY/T | 0699-2008 |
| YY/T | 0689-2008 |
| GB | 19082-2009 |

Certifications

Certifications & Compliance

CE Certified • ISO 9001:2000