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# Floor-type Water Penetration Tester



## STANDARDS

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AATCC 127

ISO 811

JIS L1092

The main function of this water penetration testers is to test the endurance of waterproof fabric, cloth or other material, as exposed to water.

## APPLICATIONS

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The tester uses Water Pressure Method; Certain Water Pressure Method; Water leakage Method

Three kinds of Test method:

1. Water pressure method: Water level increase at speed of 1cm/sec. When three points penetration happen, record the highest level. ( this is the most common method)
2. Fixed water pressure method: Water level increase to a particulate level at speed of 1cm/sec. record the time when three points penetration happen.
3. Leakage method: Water level increase to particular level and stop immediately and then observe how much water leaking (ml) within a regulative period.

## FEATURES

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- The tester has upper/lower limit switches are for protecting the machine.

- Lower limit is zero point of water level and this tester must return to zero point before performing next test to ensure accuracy of each test.
- With quick return control to avoid waiting for a long time for stand-up.

## THEORY & METHOD

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AATCC Water Penetration Tester (Hydrostatic Pressure Tester) is designed and manufactured according to AATCC-127-1989 (American Association of Textile Chemists and Colorists).

## TECHNICAL SPECIFICATIONS

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<b>Model</b>	QualiFWPT-127
<b>Test specimen</b>	8inch x 8inch (about 20cm)
<b>Pressing area</b>	4.5inch (about 114mm)
<b>Grip method: pneumatic</b>	Pneumatic, able to preset gripping strength.
<b>Water pressure height</b>	0~1800mmH <sub>2</sub> O(With scale)
<b>Pressure speed</b>	5~30mmH <sub>2</sub> O/sec(Adjustable)

<b>Upper/lower limit switches are for protecting the machine</b>	Upper/lower limit switches are for protecting the machine. Lower limit is zero point of water level and this tester must return to zero point before performing next test to ensure accuracy of each test.
<b>With quick return control to avoid waiting for a long time for stand-up</b>	With quick return control to avoid waiting for a long time for stand-up
<b>Dimension</b>	65×70×285cm (W×D×H)
<b>Weight</b>	125 kg



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