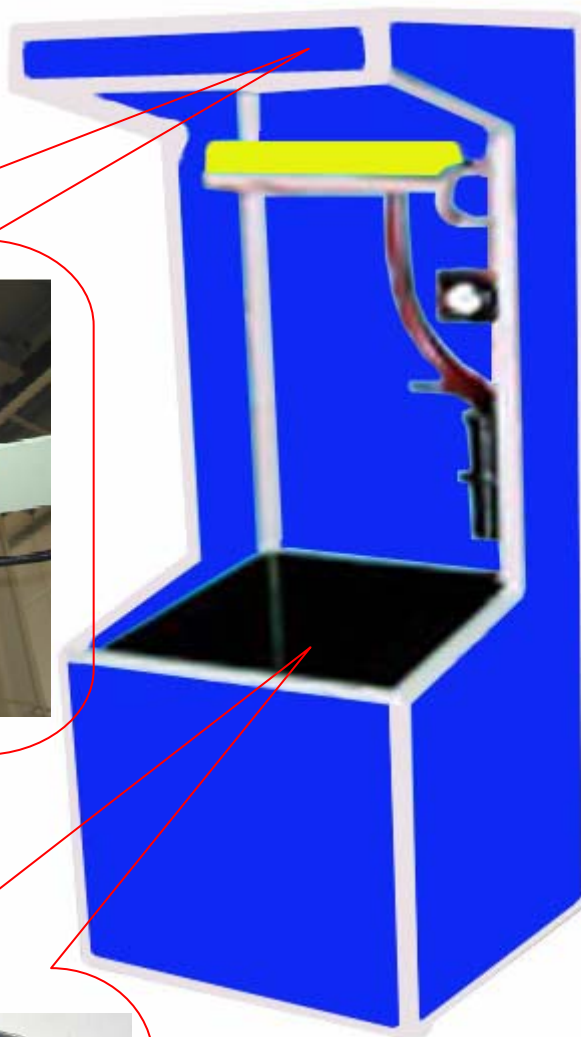




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DW814 BUNDESMANN RAIN-SHOWER TESTER



Model No.

DW814

Application

DW814 Bundesmann rain-shower tester. To determination of water repellency of fabrics (including waterproof fabric) by judge the specimen surface wetting status and water volume which soakage or running through the specimen.

Related Standards

standards	JIS L1092	GB/T14577
	ISO9865	BS EN29865

Note: this tester can conform to but not limit to the standards above, for more standards conformance, please contact us.

Features

- Adopted clamping ring for sample holder, credible and firm;
- Specially designed cross wipers to simulate practical situation effectively ;
- Equipped with centrifuge imported from Japan to provide reliable test condition;
- Main components or spares were used high quality stainless steel.
- Test time can be adjusted freely from 0~30min;
- Four sample can be tested simultaneously in one testing;

Key Specifications

- Shower area: 1300cm²
- nozzles: 300 ↑
- shower volume (per 100cm²): 100~300ml/min (adjustable)
- Height of drops: 1500mm
- Sample dimension: Φ140mm
- Test area: 80cm²
- Diameter of test cup: 100mm
- Installation angle of test cup: 15° to vertical direction

- Cup rotate speed: 6r/min
- Cross wiper dimension: 48x5mm
- Wiper rotate speed: 20r/min
- Wiper loading press: 2.5N
- Testing time: 0~30min(adjustable)
- Instrument dimensions: $\Phi 80 \times 220$ cm
- weight: 200kg
- power supply: 220V 50HZ 200W

Instrument Structure

● Shower part:

- ✓ Three hundred nozzles supplies shower areas of 1,300 mm²;
- ✓ It can supplies adjustable shower speed from 100~300ml/min of every 100cm²;
- ✓ Drops diameter of every nozzle is about 4mm, volume is 0.07ml and drops height is 1500mm;
- ✓ Temperature of running water (or decontamination treatment water) is $20 \pm 3^{\circ}\text{C}$ (or $27 \pm 2^{\circ}\text{C}$ in tropical countries)。



● Sample loading part:

- ✓ Adopt cup device for sample loading with a clamping ring at the top of test cup supported, and water through the cup can be collected and measuring; Different diameter clamping rings

are available: Clamping ring for thicker or heavy fabrics usually bigger than lighter or thinner fabrics;

- ✓ Test cup holding area is 80cm², outer diameter is 100mm, and the central line of the cup with an angle of 15 degrees to the vertical direction to ensure water flow smoothly on the sample surface;
- ✓ Every cup with cleaning device (wipers) which surface is stainless steel and can supply about 250cN press for the under surface of the sample; Wipers arm length is 48 mm and width is 5mm; Also, every cup has a stoma with diameter of 7±1mm, and air which through the sample can be transferred through it;
- ✓ Four sample can be tested simultaneously in one testing, sample rotate with cups at a speed of 6±0.5r/min, so the four sample have the same shower condition.



● **Centrifuge part:**

- Centrifuge can reach the max rotate speed of 700r/min in 2 seconds, after 10 minutes shower, then use this centrifuge dewatering 15s, immediately weighed.
- Automatically power off after preset rotate times.



Standard configuration

No.	Item	quantity
1	Main machine	1set
2	centrifuge	1set
3	Test cup	4 pcs

Accessories

No.	Item
1	Electronic balance (0.01g)
2	Color assessment cabinet(BZGY908)
3	Standard reference chart cards