

HST-AT20 Fully Automatic Aperture Tester



Scope of application :

The electronic fully automatic pore size tester, also known as a bubbling test bench, is used to test the maximum and average pore size of materials such as filter paper , fiberglass separators , battery membranes, nylon cloth, asbestos paper, and various sintered materials . An optional filter element test chamber can be used to test the maximum and average pore size of filter elements.

Technical parameters :

1. Applicable liquids for the test: Isopropanol and industrial ethanol are recommended (liquid surface tension is involved in the calculation of results, and unknown liquids should not be added arbitrarily).
2. Sample type: flat tension ;
3. Display method: Touchscreen ;
4. Maximum pressure range: 15 kPa ;
5. Pressure adjustment method: Knob type with display ;
6. Maximum diameter of the test sample: 88mm (with perforated plate and support mesh) ;

7. Effective test area: $20 \pm 0.5 \text{ cm}^2$ (custom sizes available) ;
8. Aperture measuring instrument range: (5-500) μm ;
9. Aperture display accuracy: $0.1 \mu\text{m}$;
10. Pressurization rate: 2-2.5 kPa/min ;
11. Gas cylinder volume: 2.5L ;
12. Liquid level display method: scale lines ;
13. Fixture material: 304 stainless steel ;
14. Power supply voltage: 220V 50Hz ;
15. Pressurized air source: Built-in booster pump;
17. Data printing: Built-in printer;
18. Optional: Stamping type test

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