





ET500

EV Battery Airtightness Detector (High pressure)



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ET500 is a high and low voltage compatible air tightness testing equipment that supports the sealing test of electric vehicle battery pack boxes and liquid cooling systems.

-  **High and low voltage compatible**
-  **High-precision non-destructive testing**
-  **Stable pressure and high sensitivity**
-  **Intelligent operation**



Features

1. The battery pack and liquid cooling system share high and low voltages.
2. High-sensitivity pressure sensing, high testing accuracy and stability.
3. Automatically detect the pressure inside the battery pack. When the pressure is reached, it will automatically enter the next stage. Segmented inflation is more accurate.
4. The pressure gauge panel displays the process pressure curve in real time, making the test process clear at a glance.
5. High voltage automatic protection, alarm prompt when test fails or is abnormal.

Functions

- 1. Air tightness testing:** Compressed air is used as the medium to apply a certain pressure to the battery pack cavity, and a highly sensitive sensor is used to detect changes in pressure to determine its sealing.
- 2. Parameter settings:** Parameters such as workpiece number, volume, pressure, time of each stage, leakage limit and other parameters can be preset.
- 3. Process visualization:** Real-time display of the working status of inflation, pressure stabilization, leakage, exhaust and other stages.
- 4. Dual display of pressure value:** Display current pressure and leakage amount in real time.
- 5. Detection history:** Automatically save detection history records and support curve charts to display detailed data.

Parameters

Power Input	AC90~264V/40~60Hz	Air Requirements	0.4~1.0MPa Dry Compressed Air
Test Pressure Range	0~500Kpa	Air Intake Interface/Test Interface	Φ8mm Ttrachea/Φ6mm Trachea
Sensor Resolution	1pa	Working Temperature	-10~ 55°C
Test accuracy	±5pa	Working Humidity	10%~ 90%
Interface	RS232 / USB		