

ET500

EV Battery Airtightness Detector (High pressure)



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ET500 is a high/low-voltage airtightness testing device for electric vehicle battery pack boxes and liquid cooling systems, suitable for scenarios such as battery pack end-of-line production, power system assembly, and maintenance re-encapsulation testing.

 0-500KPA high and low pressure compatible

 High pressure/low pressure outlet separation design

 10-inch touch screen

Large
10-inch screen



V2.0

Features

1. High and low pressure dual compatibility: Maximum 500kPa detection capability, covering the needs of liquid cooling system and box testing;
2. Physical separation of high and low pressure interfaces: The high and low pressure separation design of the detection equipment outlet reduces the risk of misoperation and damage;
3. Built-in air filtration system: Filters moisture and impurities in the compressed air, protects the internal sensor system, and improves detection stability and equipment life;
4. One-button standard process: The entire process is automatically executed, covering pressurization, pressure stabilization, and judgment steps. After the pressure is reached, the pressure is automatically stabilized and the exhaust is exhausted, making the operation process more intelligent;
5. 10-inch touch screen: intuitive operation and clear information display make it easy for workshop staff to quickly get started;
6. Process chart visualization: View the pressure change curve in real time and the test progress is clear at a glance;
7. Test results are traceable: historical records are automatically saved to facilitate quality control and report output.

Functions

1. **High and low pressure dual compatibility:** Maximum 500kPa detection capability, covering the needs of liquid cooling system and box testing.
2. **One-button standard process:** The entire process is automatically executed, covering pressurization, pressure stabilization, and judgment steps. After the pressure is reached, the pressure is automatically stabilized and the exhaust is exhausted, making the operation process more intelligent.
3. **Process chart visualization:** View the pressure change curve in real time and the test progress is clear at a glance.
4. **Test results are traceable:** Historical records are automatically saved to facilitate quality control and report output.
5. **Built-in air filtration system:** Filters moisture and impurities in the compressed air, protects the internal sensor system, and improves detection stability and equipment life.
6. **OTA remote upgrade:** Supports online updates of detection algorithms and system firmware to continuously optimize the experience.

Parameters

Test pressure range	0~500kPa	Operating temperature	-5~45°C
Sensor resolution	1Pa	Operating humidity	5%~93%
Test accuracy	±5Pa	Power input	AC 90~264V 50~60Hz
Air inlet interface/outlet interface	Φ6mm trachea	Air Requirements	0.1~1.0MPa dry compressed air