



ET30

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EV Battery Airtightness Detector (Low pressure)



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ET30 is an air-tightness detection equipment designed for EV battery packs.



High Reliability



Ultra High Accuracy



Stability Pressure Regulation



Intelligent Operation



Features

1. Allows direct presetting of battery pack parameters such as volume, pressure, testing time for each stage, and leakage limits;
2. High sensitivity pressure sensing, with high testing accuracy and stability;
3. Equipped with a pressure gauge to display the pressure curve in real-time, making the testing process clear at a glance;
4. Alert notifications for testing anomalies or failures.

Functions

- 1. Low-Pressure Airtightness Testing:** Using compressed air as the medium, a certain pressure is applied to the battery pack cavity, and a highly sensitive sensor detects pressure changes to determine its sealing;
- 2. Parameter Setting:** Pre-settable parameters include workpiece number, volume, pressure, duration for each stage, leakage limit, and other settings;
- 3. Process Visualization:** Real-time display of the working status during stages such as inflating, pressure stabilization, leakage testing, and exhaust;
- 4. Dual Pressure Value Display:** Real-time display of the current pressure and leakage fluctuation amount;
- 5. Historical Records:** Automatically save historical airtight records, support curve chart data display, support historical data export to USB flash drive in Excel file or share data overview in PDF file via email or QR code.
- 6. Online Upgrade:** Supports online upgrade of devices, no need to use USB flash drive for local upgrade.

Parameters

Power input	AC90~264V/40~60Hz	Power	20W Max
Test pressure range	0~30Kpa	Air source requirements	0.1~1.0MPa dry compressed air
Sensor resolution	1pa	Inlet interface/test interface	Φ6mm air pipe/Φ6mm air pipe
Test accuracy	±5pa	Working temperature	-10~ 55°C
Interface	RJ45×1/USB×2	Working humidity	10%~ 90%