

Pouch Cell Aluminum Laminated Film Short Circuit Tester

Lithium Battery Testing Equipment

Item Number: CD13



Introduction

High precision pouch cell short circuit tester designed for reliable detection of insulation faults between tabs and aluminum laminated film prior to electrolyte injection maximizing lithium battery cell production yield process safety and high throughput quality control across manufacturing lines

[Learn More](#)

Application	Description	Key Benefit
Pouch Cell Pilot Line Manufacturing	Pre-filling insulation verification for consumer electronics, drone, and medical device pouch cells.	Prevents defective dry cells from reaching the electrolyte filling and vacuum sealing stages, cutting chemical waste.
EV Battery Quality Assurance	High-speed quality screening of multi-tab and high-capacity pouch cells destined for automotive battery modules.	Identifies micro-burrs and edge-seal damage to eliminate field thermal runaway risks in electric vehicle battery packs.
R&D and Cell Prototyping	Precise validation of new tab welding techniques, pouch forming depths, and laminated packaging film materials.	Provides repeatable insulation baseline data to refine cell assembly tooling and pouch packaging parameters.
Contract Battery Assembly & QA	Rapid incoming and inline inspection of contract-manufactured dry pouch cells prior to electrolyte dispensing.	Maintains stringent quality gate standards with a high-throughput capability exceeding 900 parts per hour.
Solid-State & Advanced Battery Testing	Electrical insulation testing of prototype solid-state and high-voltage pouch cell configurations.	Delivers reliable three-point contact testing adaptable to emerging electrode chemistries and tab geometries.

Parameter	Specification (CD13)
Model Item Number	CD13
Inspection Points	3-Point Detection (Positive Tab, Negative Tab, Aluminum-Plastic Film)
Primary Function	Pre-filling short circuit & insulation testing between tabs and laminated film
Production Throughput	≥ 900 pcs/hour
Applicable Product Dimensions (L × W × H)	Up to 150 × 80 × 12 mm
Maximum Adaptable Cell Dimension	150 × 150 mm
Operating Air Pressure	0.4 – 0.8 MPa
Input Power Supply	Single-phase AC 220V, 50 Hz
Internal Control Voltage	24V DC
Probe Configuration	Fully adjustable probe position and spacing
External Dimensions (W × D × H)	530 × 400 × 350 mm
Total Equipment Weight	30 kg