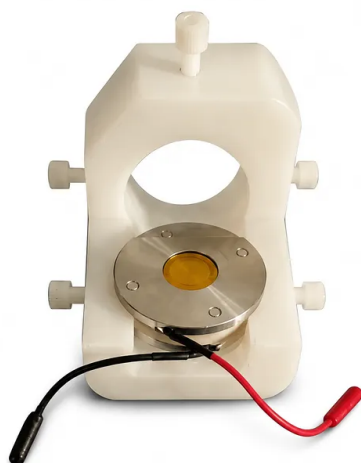


Aqueous Battery Testing Fixture For Laboratory Cell Evaluation

Item Number: BE12



Introduction

Aqueous battery testing fixture for cells up to 20 mm internal diameter and 4 mm thickness, featuring a 50 mm diameter clamp, PI film window, PEEK insulation, and high-purity titanium metal components for adaptable laboratory evaluation of aqueous battery performance.

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Application	Description	Key Benefit
Aqueous Battery Cell Screening	Position compact aqueous battery specimens within the specified internal diameter and thickness range for laboratory evaluation.	Provides a defined mechanical interface for repeatable early-stage cell comparisons.
Battery Materials Research	Support research teams evaluating electrode, separator, or electrolyte combinations in small-format aqueous battery configurations.	Connects specimen handling with a compact, dimensionally controlled fixture.
Electrochemical Test Platform Integration	Install the fixture on a compatible testing base or adapt the setup using a lifting platform to reach the required height.	Enables practical integration with existing laboratory test stations.
Cell Design Verification	Use the fixture when checking the physical fit and test accessibility of compact battery structures before broader experimental campaigns.	Helps researchers identify dimensional and clearance requirements early.
Academic Battery Research	Provide a defined holding solution for university and institutional laboratories conducting aqueous battery experiments.	Supports flexible setup planning without requiring a single fixed instrument platform.
Custom Laboratory Test Development	Configure the support arrangement around a customer's equipment after reviewing platform photographs and measured dimensions.	Simplifies application-specific adaptation for nonstandard testing environments.

Parameter	Specification
Product Item Number	BE12
Intended test object	Battery cell
Maximum battery internal diameter	≤20 mm
Battery thickness range	0-4 mm
Fixture diameter	50 mm
Total fixture height	17.75 mm
Fixture height without insulating bottom	13.75 mm
Window material	PI film
Fixture material	PEEK and high-purity titanium
Metal components	High-purity titanium for all metal portions
Base configuration	Different equipment-model bases available by contacting the supplier
Base configuration information required	Customer provides a photograph of the testing platform and measures the required dimensions
Alternative installation method	Customer may purchase a lifting platform and raise the fixture to the required testing height