

Cr2032 Cr2025 Cr2016 Coin Cell Battery Holder Sockets For Battery Testing

Item Number: FZ02



Introduction

Engineered for precision electrochemical testing, these CR2032, CR2025, and CR2016 coin cell battery holders deliver reliable mechanical retention, ultra-low contact resistance, and rapid sample replacement to optimize your laboratory battery research, cycling stability evaluations, and electrical impedance spectroscopy workflows.

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Application	Description	Key Benefit
Galvanostatic Charge-Discharge Cycling	Continuous high-precision rate-performance and capacity retention testing across single and multi-channel battery cyclers.	Delivers stable contact pressure to eliminate artificial voltage drops and capacity measurement anomalies.
Electrochemical Impedance Spectroscopy (EIS)	AC impedance characterization over broad frequency ranges to investigate interfacial charge transfer kinetics.	Ultra-low parasitic contact resistance ensures undistorted Nyquist plots and accurate bulk resistance data.
Solid-State Battery R&D	Testing of novel solid electrolytes, ceramic separators, and metallic lithium interfaces enclosed in CR20-series hardware.	Uniform mechanical retention minimizes interfacial resistance drift caused by external vibration or thermal shifts.
Active Material Screening	High-throughput evaluation of synthesized cathode and anode materials in half-cell and full-cell coin configurations.	Fast snap-in replacement accelerates workflow throughput when evaluating dozens of material variations daily.
Thermal Chamber Stress Testing	Long-term cell performance evaluation under elevated or sub-ambient temperatures inside environmental test chambers.	Temperature-resistant housing prevents dimensional warping and maintains contact integrity throughout thermal swings.
Consumer Electronics Prototyping	Powering IoT nodes, wearable hardware, and portable medical electronic prototypes during design verification stages.	Robust mechanical lock-in prevents power interruptions and ensures stable supply voltage during operational trials.
Multi-Channel Test Fixture Fabrication	Custom integration into multi-cell testing arrays and modular laboratory measurement racks.	Uniform footprint and reliable terminal geometry streamline batch assembly and wiring on modular test boards.

Parameter	FZ02-2016	FZ02-2025	FZ02-2032
Compatible Cell Type	CR2016 Coin Cell	CR2025 Coin Cell	CR2032 Coin Cell
Compatible Cell Diameter	20 mm	20 mm	20 mm
Compatible Cell Thickness	1.6 mm	2.5 mm	3.2 mm
Package Quantity	20 pcs / pack	20 pcs / pack	20 pcs / pack
Mounting / Connection Style	Direct Insert / Snap-Fit Fixture	Direct Insert / Snap-Fit Fixture	Direct Insert / Snap-Fit Fixture
Installation Mechanism	Tool-Free Quick Installation and Disassembly	Tool-Free Quick Installation and Disassembly	Tool-Free Quick Installation and Disassembly
Series Designation	FZ02 Series Coin Cell Holders	FZ02 Series Coin Cell Holders	FZ02 Series Coin Cell Holders