

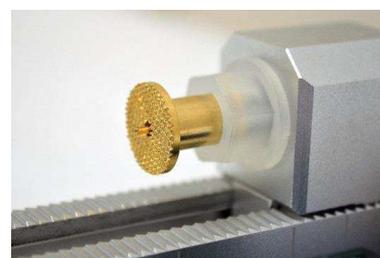
Universal Battery Holder



The Universal Battery Holder allows connection of a large variety of batteries, from coin-sized to larger cylindrical shapes (up to 26650), to Gamry Instruments' potentiostats. High currents, up to 30A, may be passed through the battery holder, without danger of destroying the holder. The Universal Battery Holder allows four-point measurements, and is usable with all Gamry Instruments potentiostats, including the 30k Booster.

Four-Point Contacts

Each battery contact has two independent, insulated contact points: a patterned circular plate (current-carrying contact), and a projecting pin (the sense connector). These four contacts are used for four-point measurements,



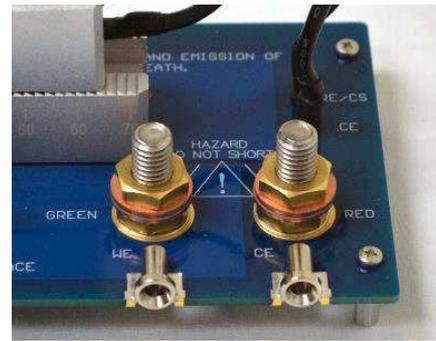
General Gamry Instruments Potentiostats

Standard 4-mm banana-plug receptacles are mounted on the front edge of the holder to connect to your Potentiostat. A dual receptacle or pin connection is available for the reference electrode. Be sure to remove the plastic guard from the pin on the reference connection before use. For the Reference™ 600+ Potentiostat, we supply 4-mm-to-2-mm adapters.



30k Booster

The Universal Battery Holder is compatible with Gamry Instruments' 30k Booster™ for high-current work. Connect the Booster to the Holder via the threaded connections to the Working Electrode (WE) and Counter Electrode (CE). Place the Booster's connectors between the copper washers, and lock the connectors in place with the nuts. Use the M8 wrench (spanner) supplied with your 30k Booster to loosen and tighten the nuts.



The Universal Battery Holder has a millimeter gauge for coarse adjustment of the battery contacts. Insert the battery. Tilt the moveable contact and slide it along the rail to the approximate length of the battery. The moveable contact is spring-loaded to ensure a firm contact with the battery. Common battery types that are compatible with the Universal Battery Holder are given in the table below. Many more batteries are compatible as well.

<i>Battery Type</i>	<i>Length (mm)</i>
CR2016	1.6
CR1220	2.0
CR2025	2.5
CR2325	2.5
CR2430	3.0
CR2032	3.2
CR2450	5.0
16340/CR123A	34
14500 Lithium AA	53
18650	65
26650	65
20700	70
21700	70

Specifications

Maximum battery diameter:	28 mm
Maximum battery length:	84 mm
Minimum battery length:	1 mm
Width x Length x Height:	231 mm x 95 mm x 60 mm (9.10" x 3.75" x 2.36")
Weight:	450 g (1 lb.)
Maximum current rating:	30 A
Maximum operational temperature:	80°C (176°F)
Relative Humidity:	90% (non-condensing)
Fuse	35 A Eaton BK/ATC-35, 32 V maximum



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