



# Cadex Universal Battery Adapters

Battery  
Maintenance  
Solutions

ISO 9001 Certified

**The Cadex Universal Battery Adapters (UBA) offer service centers and engineering labs a cost-effective alternative to custom battery adapters. Snapped into the Cadex 7000 series battery analyzers, the Cadex UBA provides easy interface to diverse battery types. We offer three styles, each serving a unique battery group.**

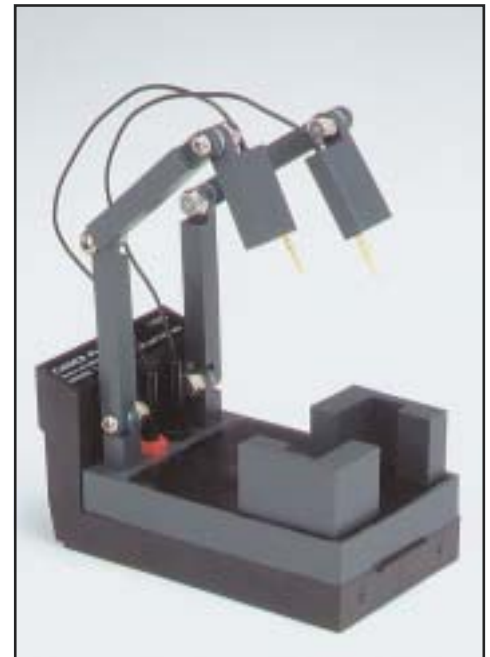


## **Cadex Smart Cables** Part Number 7-0115

Battery cables with alligator clips provide easy connection to larger batteries. Ideal for batteries with exposed tabs or special terminals. The insulated alligators connect by banana plugs. Magnetized temperature sensor monitors the battery temperature.

## **Cadex FlexArm** Part Number 7-0180

Most versatile design. Contacts on flexible arms reach narrow and awkwardly placed contacts. Magnetic guides on insulated steel floor keep the battery in any position. Banana plugs enable polarity selection and provide connection to batteries with a plug rather than flat contacts (custom cable not included). Spring-loaded temperature sensor in floor monitors the battery temperature. The Pogo contacts in the arms are gold plated and field replaceable. Self-locking hardware allows adjustments of desired tension in the wrist, elbow and shoulder joints.



Cadex

# Frequently asked questions about the Cadex UBA

- **Who should use the Cadex UBA?**

Service centers that need to test and restore large varieties of batteries. Also assists customer service technicians and engineers in research labs.

- **What battery knowledge is needed?**

The user needs to be familiar with the battery chemistry, voltage and mAh rating. Some programming is required.

- **How do I set the battery parameters?**

The *Edit* key on the Cadex 7000 Series battery analyzer prompts you to enter the battery specifications. The battery setting (C-Code) is stored in the Cadex UBA.

- **Do I need to set the analyzer each time?**

No, you may pre-program each Cadex UBA with up to ten most commonly used batteries. You can even give each C-Code a unique name.

- **Can I use the Cadex QuickTest™?**

Yes, with matrix. The matrix is obtained by running a working battery on the *Learn* program (Cadex 7200 & 7400 only). For best results, *learn* several batteries with different state-of-health conditions.

- **Where are the QuickTest™ matrices stored?**

In the Cadex UBA, together with the C-Codes. Once programmed, simply select the appropriate C-code (1-10) and connect the battery.

- **Can the matrix be shared with other batteries?**

A common matrix may be used for similar mobile phone batteries with a single Li-ion cell. If the Cadex QuickTest™ readings are inaccurate, a separate matrix will be required.

- **Which Cadex UBA is best suited?**

Electronically, all Cadex UBA's are identical, the difference lies in the mechanics. The Cadex *Smart Cable* and Cadex *FlexArm* allow custom cables and special terminals. For accuracy, the cables must be kept as short as possible. Assure firm battery contact at all time.

- **When is a custom adapter preferred?**

The custom adapter is most convenient for large groups of identical batteries (fleet environment) or when trained staff is not available. Because of the short battery connection, the custom adapter provides the most accurate readings. (Refer to our Battery Adapter Catalog with 2,800 listed batteries)

## Specifications

**Compatibility** Works with the Cadex 7200 and 7400 battery analyzers.  
(May also be used on the C7000 servicing NiCd, NiMH and SLA batteries only).

**Mechanical** *SnapLock* design, interchangeable with custom battery adapters.

**Electrical** 16kb non-volatile memory. Battery settings (C-Code) are entered through the analyzer; the matrix for the Cadex QuickTest™ is obtained through the *Learn* program. The battery parameters are stored in the adapter. Each Cadex UBA holds 10 C-Codes. Unique C-Code names are assigned through the analyzer. The analyzer is protected against reverse polarization.

**Battery types** Lithium Ion/Polymer, Nickel Metal Hydride, Nickel Cadmium, Lead Acid.  
(No lithium-based batteries can be serviced if used on the C7000)

**Contacts** *Smart Cable*: Two alligators, red and black, connected by banana plugs; rated at 3A  
*FlexArm*: Gold plated Pogo contacts, field replaceable; rated at 3A  
*Claw*: Contacts slide on a rail; one set of straight and one set of curved contacts; rated at 2A

**Warranty** Cadex warrants against defective materials and workmanship for 3 years from purchase date.



**Cadex Electronics Inc.**

22000 Fraserwood Way, Richmond, BC, Canada, V6W 1J6

Tel: 604 231-7777; 1-800 565-5228; Fax: 604 231-7755

Internet: info@cadex.com Web: www.cadex.com

