



Cochran Undersea Technology

www.DiveCochran.com

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Batteries: Caveat Emptor

Prior to purchasing a dive computer it is important to understand the ramifications of its battery power system. Did you know that some products:

- require expensive, hard to find batteries?
- are being recalled for exploding batteries? (March 2013)
- must be returned to the factory every two years to get the batteries replaced?
- can suddenly lose power and tell you stay out of the water for 48 hours?
- need to be recharged every five hours of diving?
- have user replaceable batteries but if you replace them the warranty is voided?
- say to stay out of the water for 48 hours when you replace the batteries?
- require special tools to replace the batteries?
- void the warranty if you do not buy new batteries from them?
- lose all nitrogen loading when the batteries are replaced?
- require sending to the factory to have rechargeable batteries replaced?

Cochran's goal is to allow Cochran dive computer owners to maximize their diving experience without undue concern of a battery failure. All Cochran dive computers are designed for extremely low power consumption and therefore, have the longest battery life. All Cochran dive computers have user replaceable batteries that do not require special tools and can be purchased from a number of sources, or available from Cochran.

Cochran EMC-14

The EMC-14 is Cochran's lowest cost dive computer and is powered by two standard Alkaline "N" cells. Batteries can be easily replaced by the user with no tools. With quality, fresh batteries, battery life is typically over 500 dive hours. For recreational use it is recommended to replace the batteries every 500 dive hours or two years, whichever occurs first. For high use applications more frequent changes may be necessary.

Cochran EMC-16

The EMC-16 is Cochran's low cost, yet powerful dive computer and is powered by one 3 volt Lithium disposable battery available from a number of sources. Although not recommended, the unit can be powered by two standard alkaline "N" cells but with shortened battery life. The battery can be easily

replaced by the user with no tools. With a quality, fresh Lithium battery, battery life is over 500 dive hours. For recreational use it is recommended to replace the battery every 500 dive hours or two years, whichever occurs first. For high use applications more frequent changes may be necessary.

Product battery life assumes typical use of the Taclite using the default setting.

Cochran EMC-20H

The EMC-20H is Cochran's most powerful wrist-worn dive computer and is powered by one 3 volt Lithium disposable battery available from a number of sources. Although not recommended, the unit can be powered by two standard alkaline "N" cells but with shortened battery life. The battery can be easily replaced by the user with no tools. With a quality, fresh Lithium battery, battery life is over 500 dive hours. For recreational use it is recommended to replace the batteries every 500 dive hours or two years, whichever occurs first. For high use applications more frequent changes may be necessary.

Product battery life assumes typical use of the Taclite using the default setting.

Cochran Gemini Hoseless

The Gemini is Cochran's Hoseless Gas Integrated dive computer. The cylinder mounted computer/transmitter is powered by four standard Alkaline "AA" cells. There are two battery compartments each with two "AA" batteries. The compartments are redundant such that both independently power the unit. The Wrist worn unit is powered by a pair of user replaceable "N" cells. Batteries can be easily replaced by the user with no tools. With quality, fresh batteries, the Cylinder Unit battery life is typically over 500 dive hours or two years, whichever occurs first. With quality, fresh batteries, the Wrist worn battery life is typically over 500 dive hours or two years, whichever occurs first. For high use applications such as commercial, instructors, or military, annual replacement is recommended.

Wrist worn unit battery life assumes typical use of the Taclite using the default setting.

For more information:

- email: Support@DiveCochran.com
- phone: 972.644.6284
- See Cochran Tech Pub: "**Batteries: Disposable Vs. Rechargeable**"