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One World. One Smart Choice.™

HyTRON®

Nickel Metal Hydride Battery Owner's Manual



LOGIC SERIES®

7595-0424
Revision A

READ AND UNDERSTAND THIS MANUAL BEFORE OPERATION

The HyTRON® Logic Series® battery is designed to be charged with current InterActive® chargers. Older model InterActive MP4D, Quad, Lifesaver Dual, ABC800 cannot charge these batteries.

Do not attempt to charge on non-InterActive chargers or chargers not manufactured by Anton/Bauer, Inc. Safety circuits in the battery will prevent charging on any charger, which cannot properly address the battery communication.

Precautions and handling instructions contained in this manual should be strictly adhered to for safe and reliable operation.

Contact Anton/Bauer Field Support at (203) 925-4991 or support@antonbauer.com with any questions regarding this product.



INTRODUCTION

The development of the HyTRON battery has been made possible through the incorporation of InterActive technology with the latest Nickel Metal Hydride (NiMH) cell formulations. HyTRON batteries feature an on-board “fuel computer” to monitor energy put into and taken out of the battery, as well as critical operating characteristics and conditions. This data is communicated to the InterActive charger to optimize safe and reliable performance.

Remaining battery capacity information is available to the operator by means of the on-board RealTime® LCD and in the viewfinder of most broadcast and professional camcorders. The patented interface from the battery to the camera viewfinder is factory standard equipment on most camera/camcorder models from all major camera manufacturers.

Anton/Bauer InterActive chargers were designed in anticipation of new cell technologies, so chargers in the field only require an update (software or firmware available separately depending on model) to effectively address new battery systems. This upward and downward compatibility allows Anton/Bauer to introduce new high performance cell technologies safely and seamlessly into existing inventories.

The HyTRON battery will automatically identify itself to the InterActive charger, activating the proper charge routine(s) necessary to effectively utilize this technology.



FEATURES

- 1. Microprocessor Fuel Computer** - Accurately monitors the energy in the battery which take into account battery age, self discharge, charge/discharge rate, operating conditions and previously experienced charge/discharge cycles. The battery constantly “learns” its precise state of charge and remaining capacity. This data is automatically transmitted to an InterActive charger.
- 2. RealTime® ‘LCD’** – This exclusive Anton/Bauer feature simultaneously displays both the remaining run-time and the percentage of remaining battery capacity at all times. No special adapters or set up is required. (see complete explanation page 3)
- 3. Viewfinder Fuel Gauge Display** - Cameras which include the Anton/Bauer InterActive viewfinder feature connect with the batteries “Fuel Computer” to display an accurate “Fuel Gauge” of remaining battery capacity in the viewfinder. Reference your camera/camcorders owner’s manual for proper menu settings.
- 4. Impac® Case design** - High impact case construction protects the cells from damage.
- 5. Gold Mount® Interface** - The patented Gold Mount connector is compatible with all Anton/Bauer mounts and accessories.
- 6. Individual Computer Testing** – All Anton/Bauer batteries are individually tested to assure optimum capacity, voltage and overall quality.
- 7. Deep Sleep Motion Sensor** – The HyTRON incorporates a “Deep Sleep” feature that minimizes the self discharge rate of the battery when it is inactive and stored for a period of time when not on a charger. See complete explanation page 4.

CHARGING



- DO NOT ATTEMPT TO CHARGE THIS BATTERY WITH ANY CHARGER OTHER THAN THE ANTON/BAUER INTERACTIVE CHARGERS SPECIFIED IN THIS MANUAL.
- **Allow the battery to reach a STEADY GREEN (LifeSaver) mode before using for the first time. Please read the individual charger Owner’s Manual for specific operating features.**
- The battery will be approximately 90% charged when the LED’s on the charger indicate FLASHING GREEN. The battery is 100% charged when the charger indicates STEADY GREEN. The battery may be removed from the charger and discharged in either condition.
- **The battery can remain on the charger until just prior to being used.** The LifeSaver maintenance routine keeps the battery charged and ready for use. If the battery will not be used for an extended period (more than 60 days) see “Operating Guidelines” on page 4.

For best results this battery should be used or returned to the InterActive charger within 48 hours of being removed from the charger.

Note: On some older chargers it may be necessary to install the battery on charger, wait one (1) minute, then remove battery and reinstall. This procedure may need to be repeated more than once to “wake up” a low voltage battery.

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