

BetaGauge 330

BP-33 Rechargeable Battery Pack Kit

Beta 330 rechargeable battery set includes:

- 8 cell Ni-MH Battery pack
- Cell-Con smart battery charger
- Beta330 Battery Patch Cord

Charging the Battery:

Charging begins when a battery pack is connected to the charger. The LED will be orange before the fast charge starts and the LED changes to red. When the cells are fully charged and the voltage drops (because of the -dV signal from the cells), the charger will go into a top-off charge mode before switching to trickle charge mode.

During the top-off charge session, the LED will be green with short, intermittent orange flashes. When the top-off charge is complete, the charger will go into trickle charge mode, changing the LED color to green. The charge current is now reduced to a safe level, permitting the charger to stay connected to the battery pack without damaging the cells.

If the safety timer disconnects before -dV, the top-off charge will not be engaged. The charger will then go directly to trickle charge mode and the LED will be green in color. If the battery voltage is far below normal, the charger will stop the fast charge current and switch to trickle charge mode. The LED will then indicate "error" by flickering green and red.

If the mains are turned off, the charger will reset and start a new charge cycle if the mains are turned on again.

Installing Rechargeable Battery:

1. Open the Battery cover and disconnect the regular battery pack from 330.
2. Connect the patch cord to the unit. See Figure 1
Note: Do not connect the Patch Cord to the battery. Connect it to the unit first.
3. Connect the battery pack to the patch cord as it shown on the Figure 2.
Note: Take a close look at the connector keys. Red wires will be crossed with black.
4. Locate the battery pack in the unit battery compartment as is shown on Figure 3.
5. Now you can close the battery door and use the unit.

Using Rechargeable Battery:

Rechargeable Battery has a 2.7Ah rating and can perform better with the pump running compared to regular Alkaline Batteries which are about 2.0Ah.

But the Rechargeable Battery has high self discharge rate so batteries that have not been used in 30 days or more may need to be charged before use.



Figure 1

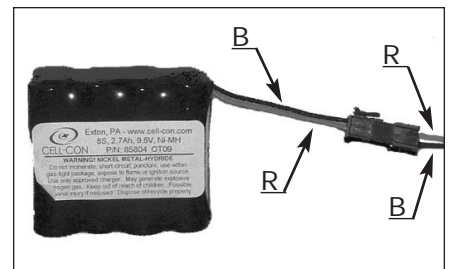


Figure 2



Figure 3

Warranty

Martel Electronics Corporation warrants all products against material defects and workmanship for a period of twelve (12) months after the date of shipment. Problems or defects that arise from misuse or abuse of the instrument are not covered. If any product is to be returned, a "Return Material Authorization" form can be obtained from our website www.martelcorp.com under customer service. You can also call 1-800-821-0023 to have a form faxed. Martel will not be responsible for damage as a result of poor return packaging. Out of warranty repairs and recalibration will be subject to specific charges. Under no circumstances will Martel Electronics be liable for any device or circumstance beyond the value of the product.



Martel Electronics Corporation, 3 Corporate Park Drive, Unit # 1, Derry, NH 03038

www.martelcorp.com • e-mail: sales@martelcorp.com

Tel: (603) 434-1433 800-821-0023 • Fax: (603) 434-1653