

## Drive up your productivity!

Wireless Battery Monitoring Device EnerSys Wi-IQ





For better diagnostics and service.



# Wireless Battery Monitoring Device Improving your productivity and increasing your profits!

EnerSys Wi-IQ has the ability to communicate wirelessly to download the battery key information for better diagnostics and service. The information can be transferred to the PC via USB by Wireless communication.

Keeping your electric materials handling equipment on the move is fundamental to maintaining your business operating efficiently. To do this you need to understand that batteries are being charged correctly and are being discharged to the optimum level. If you get both these elements correct you will reduce the number of battery recharges or battery changes on your trucks and maximise your up-time per machine. If you operate your business with battery changes and can reduce this by 20 % and an average change takes 5 minutes, on a 24/7 shift pattern, you could save over 11 hours in down-time per truck per year! Imagine this over a large fleet of trucks and the

improvements it could make to your productivity and profits.

### Construction

Wi-IQ is the latest electronic battery monitoring device from EnerSys. It combines our vast experience in battery monitoring design with the very latest in wireless technology. The device is fitted to a main DC cable on the battery to monitor and record data of current, voltage, temperature and electrolyte level (via optional external sensor). The LEDs on the Wi-IQ provide real time status of you battery's condition.

#### Features & Benefits

- Universal fitment to DC cables

  Can be fitted to all battery technologies
- Temperature warning
   Advises customer to stop using battery as there is a risk of damage
- Voltage imbalance
   Informs the customer of any battery

fault so he can seek help before a possible battery failure occurs.

Low electrolyte level (when probe option fitted)

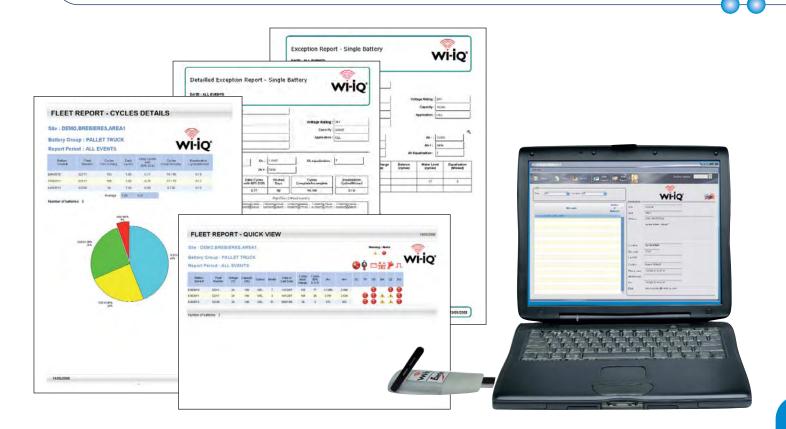
Advises the customer when to top-up the battery.

- Data memory
   Can store up to 2,555 cycles.
- Memory download & reset
   Battery analysis/diagnostics,
   Short-term rental-reset memory for new contracts.
- Wireless capability
   Simple data download to PC, range up to 30 m.

### Data recorded

The Wi-IQ records global data during the life of the battery. It will store data for 2,555 cycles (complete history stored by PC). The data can be analysed by the PC software program: State of charge, temperature warnings and low electrolyte level warnings.

### Keep on top of your battery fleet's performance.



### Diagnostics & Reports

If taking control of your battery fleet by carrying out your own management reports appeals to you, then WI-IQ Report is ideal. EnerSys has developed its Wi-IQ Report, a customer reporting suite which enables you to keep on top of your battery fleet's performance. You can up-load data from all your Wi-IQ devices and analyse a single battery or compile reports by battery/truck family to assess your utilisation. This data can also be

used to reduce truck down-time and drive up your productivity and profit! Wi-IQ Report can enable you to carry out a quick diagnostic on any battery that shows a warning via the Wi-IQ LEDs.

### Clear visibility

Selecting the Exception & Detailed Reports will provide information on the condition of your battery and any actions that are necessary. Wi-IQ Report will quickly enable you to get a handle on yourbattery fleet charging & discharging characteristics. With information by battery family (truck type) you can see depth of discharge charts, cycles, charging and much more.

### Very easy to use

Simply plug in your USB modem to your PC, scan the Wi-IQ and up-load the data. Wi-IQ Report is a PC Software running on Windows 2000, XP or Vista. A USB wireless key is used for downloading Wi-IQ data in to a SQL database.

#### LED display **Tricolour LED** Green blinking: Hardware OK Blue rapid blinking: Wireless identification Red blinking: Temperature warning **Blue LED** Rapid blinking: Wireless identification Slow blinking: Voltage balance warning Low electrolyte Fixed: level (((:71))







European Headquarters:

EnerSys EMEA EH Europe GmbH Löwenstrasse 32 8001 Zürich Switzerland Phone: +41 44 215 74 10 Fax: +41 44 215 74 11

Local contact:

**EnerSys Motive Power** 

Rake Lane Clifton Junction Swinton
Manchester M27 8LR
Phone: 0161 727 3800
Fax: 0161 727 3899

Please refer to the website address for details of your nearest FMP office: www.enersys-emea.com