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FOR IMMEDIATE RELEASE

## Inspired Energy Targets Medical Smart Battery Users With The CH5000A Smart Battery Charger / Calibrator

Alachua FL (May 3rd 2003) - Inspired Energy, Inc. today responded to demand from smart battery users in the medical industry by introducing the CH5000A desktop smart charger / calibrator.

Many medical devices such as patient monitors, portable EKG and portable ultrasound units rely on smart batteries which feature highly accurate fuel gauges. However, as the battery packs age, their electronic fuel gauges can drift and become inaccurate, requiring periodic recalibration.

Until now, the typical response is to use the device itself to carry out the recalibration discharge and charge cycle. This is inconvenient as it ties-up a valuable and needed piece of equipment while the recalibration is carried out, and typically requires the input from the hospital technical department.

The CH5000A eliminates this step entirely. Insert the battery, press the button and the CH5000A will complete the calibration process.

In addition to the full range of Inspired Energy® nickel metal hydride and lithium ion standard batteries, just one CH5000A can be configured to charge and/or calibrate any of the following medical device battery packs:

633153, NJ1020HP, NI1030AG, NI1030PH, NI2040, and NI2040PH / 989803129131

Used in the following devices:

Dinamap™ MPS 722X, M3046A, M2, M3, M4, OptiGo, PageWriterTouch & TeleMon M2636A



Designed to operate with SMBus / Smart Battery System (SBS) compliant smart batteries, the CH5000A is also capable of charging every battery in the Inspired Energy® standard battery range – from their smallest 23Wh to their largest 95Wh smart packs. It is chemistry & voltage independent, and can charge and calibrate all Inspired Energy® Nickel Metal Hydride and Lithium ion standard battery packs ranging in voltage from 3.6V to 14.4V.

The CH5000A is unique in the industry – upon inserting the battery it automatically informs the user if calibration is required. This eliminates unnecessary calibration cycles and allows the user to choose between a regular recharge, or a calibration cycle.

Another unique feature of this charger is that its design allows it to fit all the different standard battery sizes - chargers currently on the market require different models to be purchased in order to handle each of the different battery sizes and shapes.

The CH5000A comes with a North American mains cord, and a 110-240V AC to 24V DC power supply. A version with a medical grade power supply (CH5000AM) meeting UL2601 -1,



CSA22.2 No. 601, and EN60601-1, is available upon request. Versions are also available with mains cords for the UK and European markets (CH5000U and CH5000E)

David Baggaley – Sales and Marketing Director: *“As suppliers of battery packs to medical device OEMs we frequently receive calls from end users in hospitals, asking how to recalibrate their smart medical battery fuel gauge. The CH5000A addresses this need by simplifying the calibration process and eliminating the need to take a valuable piece of monitoring equipment off the ward during battery calibration”*

The CH5000A is capable of charging and calibrating all 26 Inspired Energy® standard, smart batteries and custom hybrid variants. For a full list of compatible battery packs, please visit [www.inspired-energy.com](http://www.inspired-energy.com).

Upon insertion of the battery, the charger and battery communicate via the SMBus. The battery identifies itself and requests an appropriate charge. Charging then begins automatically with no further user input necessary. If the battery requires recalibration, it tells the charger, which in turn informs the user by flashing an LED. The user can then choose to recalibrate the fuel gauge by pressing the button on the front of the CH5000A, or can opt to calibrate at a later time and carry out a recharge instead.

### **About Inspired Energy, Inc.**

Inspired Energy, Inc. specializes in the creation of battery packs with built-in electronic intelligence; providing battery monitoring, highly accurate & precise fuel gauging, battery diagnostics and battery-to-host communications. In addition Inspired Energy® designs and manufactures smart chargers and offers contract design and assembly services.

Clients can pick from a portfolio of existing batteries, or commission a pure custom pack or choose a customized version of a pre-existing battery in order to combine the best of low-cost standard designs with tailored electronic solutions.



Drawing on more than 50 years combined battery technology experience, the management group, is also uniquely positioned to assist in the design & commercialization of fuel cell / battery hybrid systems providing the capability for the smart battery and fuel cell to communicate directly, ensuring optimum performance of the hybrid system.

**For more details, please contact:**

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