



For Immediate Release

## **iWorx Introduces Metabolic Measurement Solutions for Human Exercise Physiology Research**

Dover, NH, September 14, 2009 – [iWorx](#), a developer of advanced physiology research and teaching tools, has introduced a family of compact, cost effective and easy-to-use metabolic carts capable of accurately and reliably measuring and analyzing oxygen consumption and carbon dioxide production in resting and exercising subjects. The [MC-200](#) Metabolic Cart is optimized for resting and light activity research applications and the [MC-200V](#) Metabolic Cart is configured for  $VO_2$  max applications.

The MC-200 Metabolic Cart is configured for recording and measuring Basal Metabolic Rate (BMR), Resting Metabolic Rate (RMR), Respiratory Exchange Ratio (RER) and sedentary to light activity,  $VO_2$  and  $VCO_2$ . The complete system includes a gas analyzer, data acquisition system, LabScribe2 software with Metabolic Calculations Module, and spirometer with reusable flow heads.

The MC-200V Metabolic Cart is configured to record and measure all of the parameters provided by the MC-200 with the additional capability to measure  $VO_2$  max. The complete system includes a gas analyzer and accessories kit, data acquisition system, LabScribe2 software with Metabolic Calculations Module, and Polar® Heart Rate Monitor Transmitter/Receiver.

The systems include iWorx high performance [GA-200](#)  $O_2$  and  $CO_2$  Gas Analyzer and LabScribe2™ software with a [Metabolic Calculations Module](#). The GA-200 provides a 10 millisecond response time which allows measurement of breath-by-breath changes in respiratory gas concentrations. The analyzer uses laser diode absorption technology to measure oxygen concentrations from 0-100%, and infrared detection to measure carbon dioxide concentrations from 0 to 13%. LabScribe2 software is capable of calculating many of the recorded metabolic parameters directly from the oxygen and carbon dioxide concentrations, lung volumes, and heart rates, including relative and absolute oxygen consumption ( $VO_2$ ), relative and absolute carbon dioxide consumption ( $VCO_2$ ), respiratory exchange ratio (RER), ventilatory equivalent ( $VE/VO_2$ ), expired minute ventilation (VE), metabolic equivalent (METS), and others.

The iWorx [MC-200](#) Metabolic Cart is priced at \$9,595 and the [MC-200V](#) is priced at \$10,495. Both can be purchased online at [www.iworx.com](http://www.iworx.com) or by contacting iWorx Systems, Inc., One Washington Street, Suite 404, Dover, NH 03820 (T) (800) 234-1757, (F) (603) 742-2455, [billm@iworx.com](mailto:billm@iworx.com).

**About iWorx**

*iWorx advanced research solutions include high performance recording hardware, software, and components that accelerate metabolic, cardiovascular, neuromuscular and respiratory physiology research. In addition to data acquisition systems, iWorx offers a full selection of signal conditioners, stimulators, transducers, electrodes, cables, and general-purpose laboratory equipment and accessories.*

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