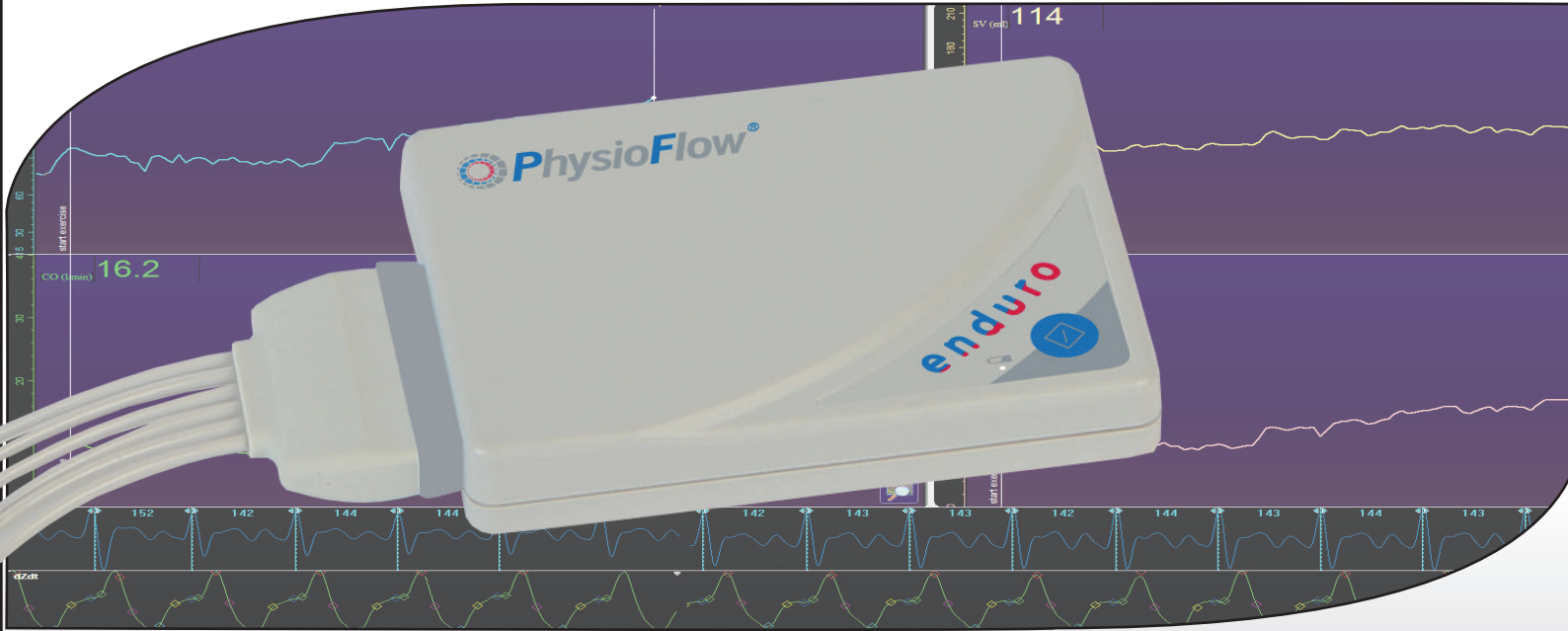




PhysioFlow[®]

Hemodynamics Redefined[™]

ENDURO[™]



*A new era in **Cardiac Output** testing
From the lab to the field*

PhysioFlow[®] Enduro[™] Parameters

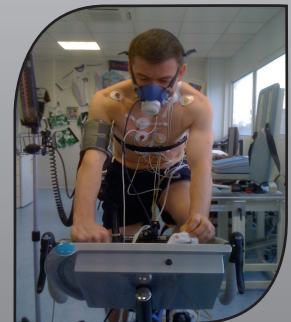
- Stroke Volume/Index
- Cardiac Output/Index
- Contractility Index
- Early Diastolic Filing Ratio (Preload Index)
- Systemic Vascular Resistance (Afterload)
- Left Cardiac Work Index (surrogate of MVO₂)
- Ventricular Ejection Time (est.)
- Ejection Fraction (est.)/End Diastolic Volume (est.)

For Multiple Applications

- Cardio-Pulmonary Exercise Test
- Athlete's Training Optimization
- Lab and Field Performance Testing
- COPD/Pulmonary Hypertension/6MWT
- Cardiology/6MWT/Internal Medicine
- Cardiopulmonary Rehabilitation
- Military and Aerospace Medicine



Routine hemodynamic evaluations



Assessment of performance limiting factors



Paris Marathon field experiments

The first and only system fully validated during exercise

The well established PhysioFlow® **Signal Morphology-based Impedance Cardiography** (SM-ICG™) technology has been fully validated in the last ten years, resulting in more than 100 international peer-reviewed publications and a market presence in over 45 countries.

Its accuracy is comparable to invasive techniques and its clinical reproducibility and sensitivity are unsurpassed. PhysioFlow® pushes the limits of noninvasive cardiac output monitoring in general and thoracic electrical bioimpedance in particular by opening more arenas where continuous noninvasive cardiac output measurements are made possible: **exercise at all levels, obesity, thoracic fluid overload, COPD, low cardiac outputs etc.** The PhysioFlow® core technology has been approved in many countries, including in Europe, Japan, China, and by the US Food and Drug Administration.

PhysioFlow® has been further developed to include the latest advances in electronic and signal processing technologies. The result is PhysioFlow® Enduro™, the first **holter-size wireless** cardiac output monitor for real time recordings or use as a data logger.

A new filter technology for **high performance noise cancellation** (HD-Z™) is built-in.

The combination of advanced hardware, firmware and software enables new applications in the field for trainers and exercise physiologists and more sensitive measurements for cardiac patients tested on treadmills.

PhysioFlow® Enduro™ Features

Small Size: 115 x 85 x 18 mm

Light Weight: Less than 200g (with batteries)

6 high-performance pre-gelled thoracic surface electrodes

Advanced adaptative filter for noise cancellation (HD-Z™)

Lithium AA batteries or rechargeable NiMH AA batteries, 6 hours autonomy

24 hours MMC memory, downloaded either by USB or wireless

Real time wireless monitoring. Range is 100 meters

Works with PhysioFlow® V2 MS-Windows™ based software for display, data analysis, and storage

OS: Windows™ 7, 8 or 10

Computer requirements:

RAM: 4 GB, Hard Drive 500 MB free, 1280x1024 screen, 2GHz X86 or X64 processor

Windows™ is a trademark of Microsoft Corporation

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Rev 1.3



Rally race field experiments