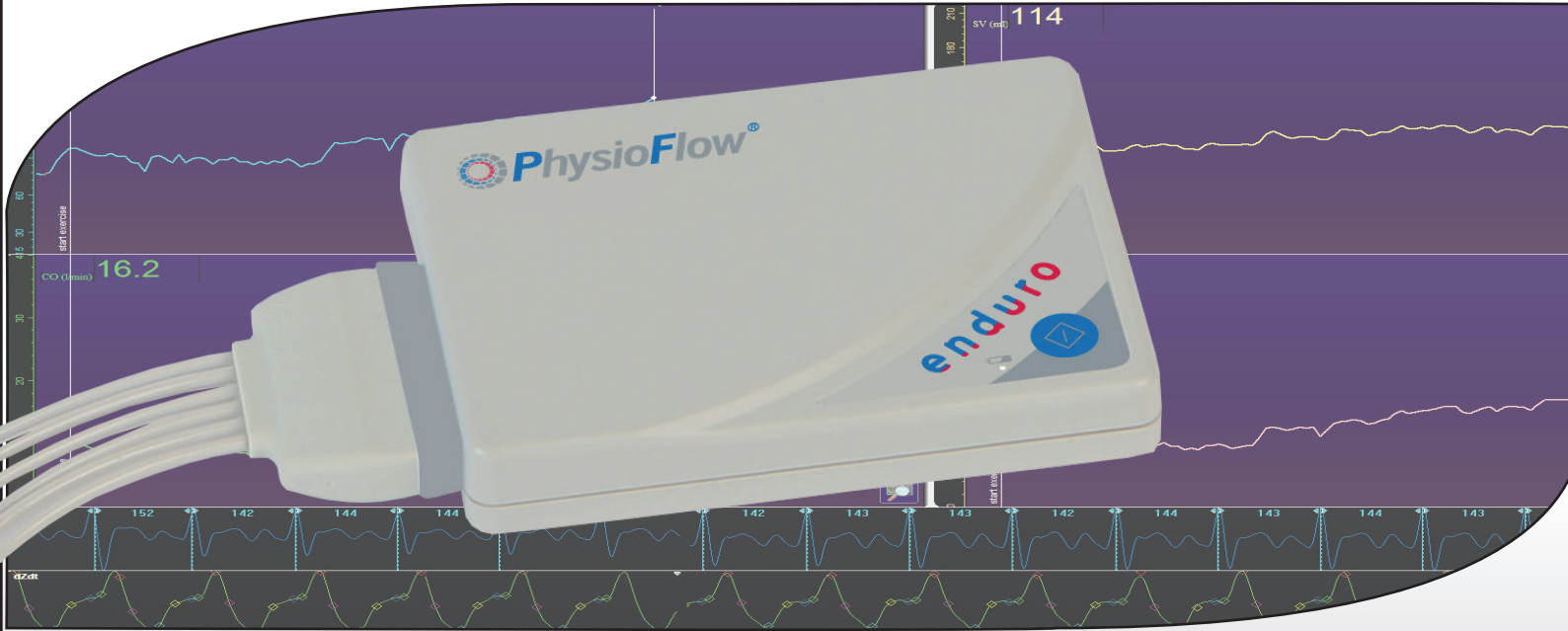




PhysioFlow®
Hemodynamics Redefined™

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 Filling 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

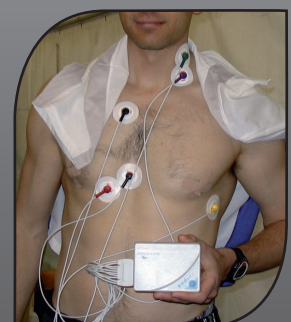
Cardio-Pulmonary Exercise Test
Athlete's Training Optimization
Lab and Field Performance Testing
COPD/Pulmonary Hypertension/6MWT
Cardiology/6MWT/Internal Medicine
Cardiopulmonary Rehabilitation
Military and Aerospace Medicine



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 Bluetooth®

Real time wireless monitoring using Bluetooth® (type I). 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

Contact:

Manatec Biomedical *Find us on Facebook and LinkedIn*

10 bis, rue Jacob Courant info@physioflow.com

78300 Poissy Tel: + 33 3 72 82 50 00

FRANCE Fax: + 33 1 30 74 46 48

www.physioflow.com

Rev 1.1



Rally race field experiments