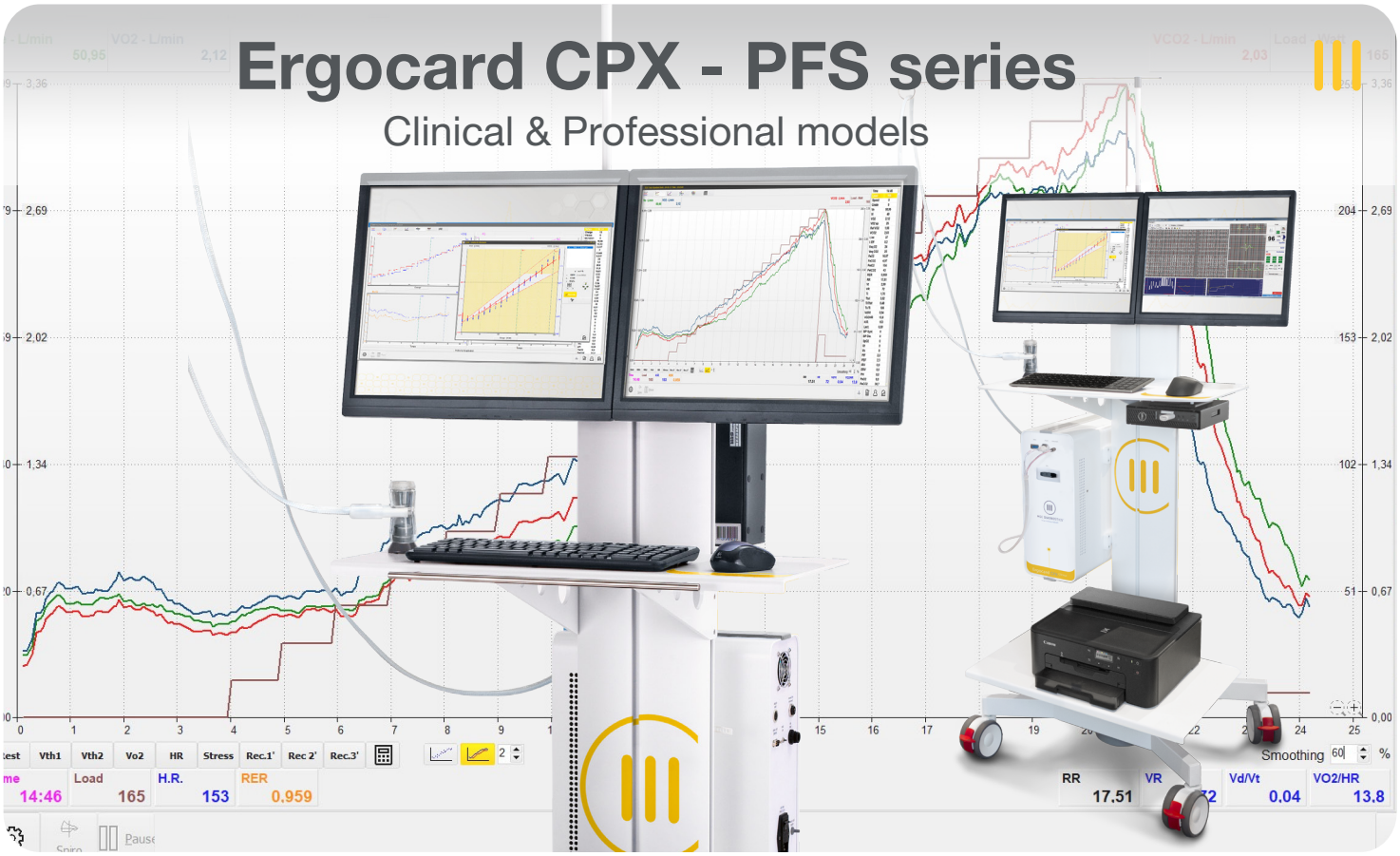
Ergocard CPX - PFS series

Clinical & Professional models



ACCURATE EXERCISE TESTING SYSTEM

HIGH PERFORMANCE AND EASY TO USE

The ideal solution for your cardiopulmonary exercise (CPX) testing needs.
Two model, **Ergocard CPX Clinical** and **Ergocard CPX Professional,** to meet any requirements from any clinical and sports medicine applications and research.

	Ergocard CPX Clinical	Ergocard CPX Professional
preVent® Pitot Tube	●	●
Infrared CO2 sensor	●	●
Electrochemical O2 sensor	●	—
Laser O2 sensor	—	●
Full weather station	●	●

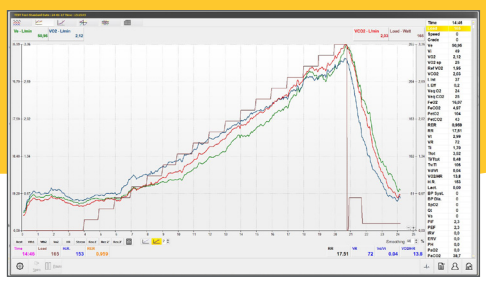
FEATURING PREVENT® FLOW SENSOR TECHNOLOGY

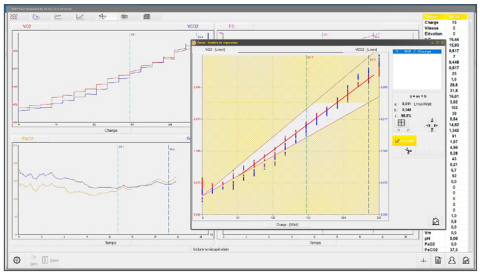
The small, durable and lightweight preVent® flow sensor is used on all systems.

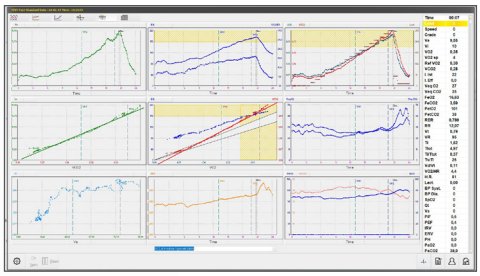
- Saves time between patients with no warm-up or recalibration needed between changes and provides maximum infection control
- No moving parts or electronics

EXPAIR II SOFTWARE ASSISTS AND GUIDES THE OPERATOR BEFORE, DURING, AFTER THE TEST, FEATURING:

- Customizable protocols
- Easy gas and volume calibration
- Breath-by-breath signal recording
- Offline entry for blood gas analysis
- Automated detection of ventilatory thresholds using V-Slope and 3 lines methods
- Customizable printing reports
- Comprehensive graphical display







OPTIONS AVAILABLE FOR BOTH MODELS, **CLINICAL & PROFESSIONAL**:

- Interface and control of most Bike Ergometers and Treadmills
- Heart rate chest belt
- Advanced integrated 12 leads ECG module, for resting and exercise applications, one touch operation with complete ECG analysis, arrhythmia detection and analysis, real time printing
- SpO2 integrated module in Professional model, Optional on Clinical model
- Automated Blood pressure external Tango® option, with exercise artifact rejection
- Compatibility with multiple ECG
- Analog Input/Output

Additional options, available on Professional version:

- Re-breathing Indirect Fick Cardiac Output (Qc) test
- Static lung volumes measurements (TLC, FRC, ERV etc.) by Multi-breath Nitrogen Washout module
- Single and intrabreath diffusion test with methane trace gas
- Hypoxic and Hyperoxic testing mode
- Indirect calorimetry with face mask
- NEP, Negative Expiratory Pressure

EXPAIR II SOFTWARE

The driving force of the system is **Expair II,** a powerfully intuitive, user-friendly and complete software package. Available for all devices.

- **Advanced, powerful database function and electronic storage, full networking, HL7 and MySQL options**
- **Trend Reporting of any parameter**
- **New interpretation algorithm based on LLN, ULN, Z-Score and percentile**
- **Comments and Offline data input such as arterial blood gases**
- **Online data transfer**
- **Report designer**
- **Predicted value editor**
- **Choice of languages and units of measurement**
- **Bronchial challenge testing software**
- **Measurement sequencing configuration**
- **Full calculation function: display of calculation points with manual correction capability**
- **Quality control automated software, diagnostic functions and full program control**

Technical Specifications:

Physical Dimensions Module

(H x W x D)	cm 13,7 x 40 x 34
	inches 5,4 x 15,7 x 13,4
Weight:	8 Kg / 17,6 lbs

Physical Dimensions Trolley

(H x W x D)	(standing) cm 140 x 73 x 55
	inches 55 x 28,7 x 21,7
Weight:	35 Kg / 77 lbs

Power supply:	230 VAC 50 Hz or 115 VAC 60 Hz
Power consumption:	± 62 VA module
Warmup time:	20 min.
Meets all electrical safety requirements:	IEC60601-1
Classification:	IIa
CE MARK:	CE 1434
MDD:	93/42/EC
	and harmonized standards
Computer interfacing:	Windows 10 ™ Pro
	USB 2.0 / 3.0

Ambient conditions for use

Temperature:	10 - 35°C
Relative humidity:	25 to 85 % (non condensed)
Barometric pressure:	no restriction

Intended users: *medical diagnostic device, Class IIa, should only be used by doctors, physiologists, trained respiratory technicians/nurses or under supervision of such. Data obtained must be interpreted and reported by trained medical staff only.*

Part# 0123ECEN

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