Ergocard CPX - PFS series

Clinical & Professional models

medisoft®
CARDIO-RESPIRATORY INSTRUMENTATION



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	●	●



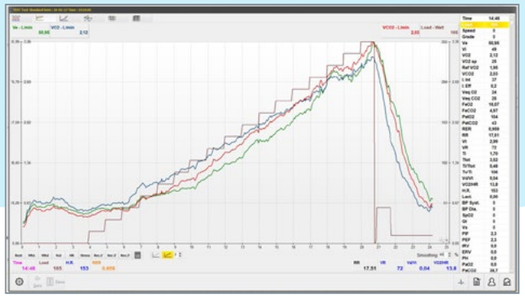
FEATURING PREVENT® FLOW SENSOR TECHNOLOGY

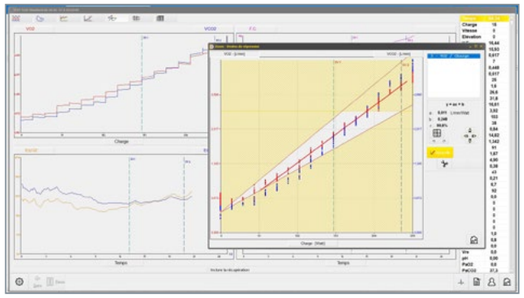
The small, durable and lightweight preVent® flow sensor is used on all systems.

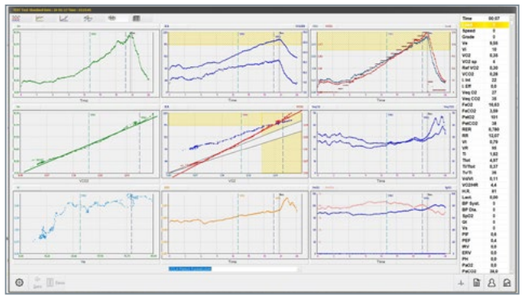
- Saves time between patients with no warm-up or recalibration needed between changes and provides maximum infection control
- No moving parts or electronics

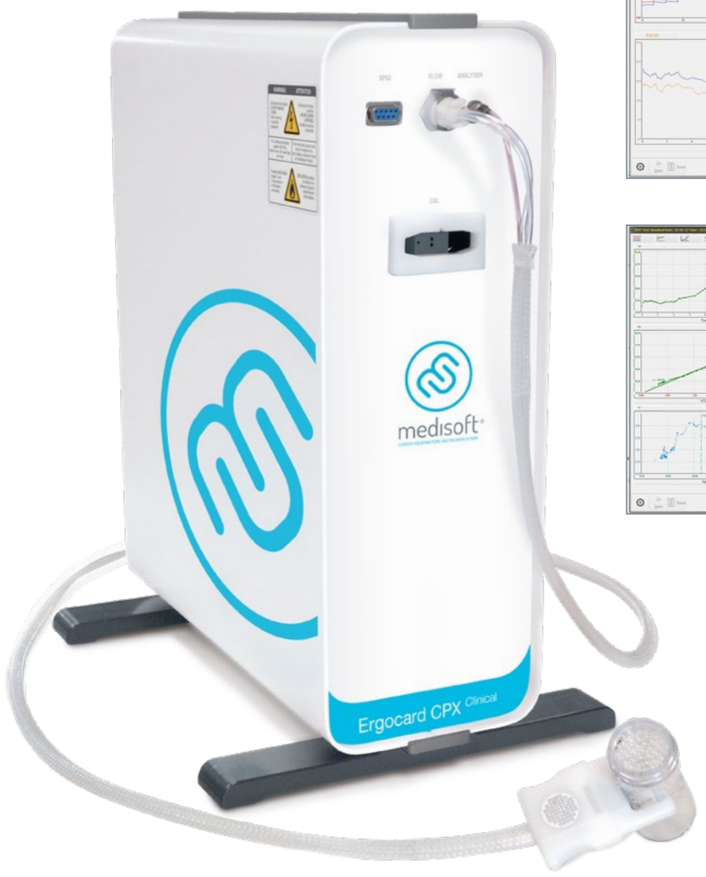
EXPAIR SOFTWARE ASSISTS AND GUIDES THE OPERATOR BEFORE, DURING, AFTER THE TEST, FEATURING:

- 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
- 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 SOFTWARE

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

- Advanced, powerful database function and electronic storage, full networking, HL7 and by SQL 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 11 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# 0526ECEN

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