



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	●	●



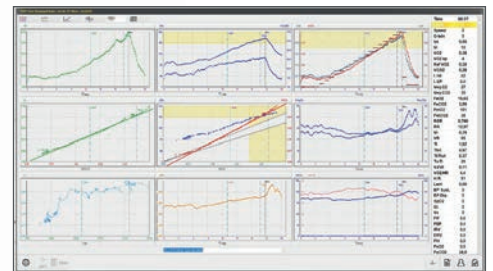
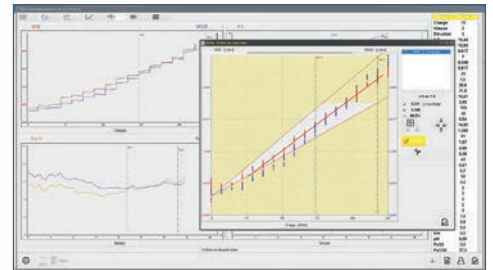
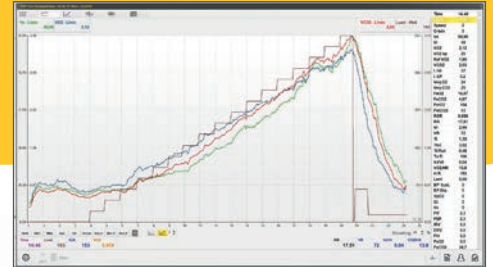
**FEATURING PREVENT®
FLOW SENSOR TECHNOLOGY**

The small, durable and lightweight preVent® flow sensor is used on all MGC Diagnostics and Medisoft 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:



- Exercise flow-volume loop with flow-limitation evaluation, IC change during Exercise
- 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
- 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
- Hypoxic and Hyperoxic testing mode
- Indirect calorimetry with face mask





EXPAIR II, THE MEDISOFT SOFTWARE

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

CE MARK: CE 0843

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 Ila, 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.*