

ULTIMA™ CPX

Cardiorespiratory Exercise System



Take cardiorespiratory exercise testing to a new level.

The Ultima CPX sets the benchmark for gas exchange systems with flexible patient configurations, simple testing procedures, and unlimited reporting functionality. The Ultima CPX includes all digital data acquisition and precise breath-by-breath analysis to measure the complete cardiorespiratory system and provides objective, reproducible data on functional capacity.

VO₂ Testing Benefits

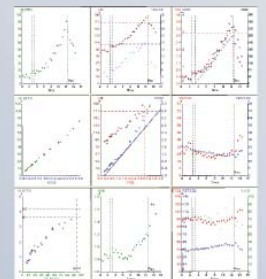
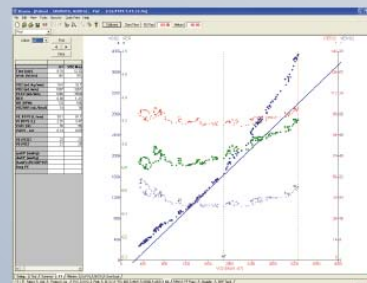
- Patented breath-by-breath analysis
- User definable digital mixing chamber
- Automated anaerobic threshold detection (4 modes)
- Interpretation package with diagnosis and conclusions (optional)
- Differential diagnosis of exercise limitation
- Flexible interface to external devices
- Exercise flow volume loops

preVent™ Pneumotach

- Simple snap-in setup
- Eliminates breathing valves, hoses, and headgear to improve patient acceptance
- Requires no calibration between changes
- Reusable with simple disinfection procedure

BREEZESUITE™ Software

- Unlimited testing scripts and protocols
- Coaching features for system calibration and patient testing
- Data review on single screen
- Open architecture database for instant data access and exporting compatibility
- User-defined custom reports and configurations
- Full trending of all variables for enhanced patient management
- HIPAA Compliant and HL7 compatible



ULTIMA™ CPX Specifications



Exercise Testing with preVent™ Mask

- Lightweight
- Comfortable
- Form Fitting
- Inexpensive

Available in 3 sizes:

- Small (67009-001)
- Medium (67009-002)
- Large (67009-003)
- Assorted (67009-007)



All specifications subject to change without notice. Products may vary from that illustrated. Please contact your Medical Graphics representative for latest information, pricing and product availability.

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Part #060002-001 REV D

Innovative Technology

- Patented breath-by-breath analysis and rapid response O₂ and CO₂ analyzers
- Patented, lightweight (26 gm/<1oz) preVent™ Pneumotach exceeds ATS/ERS performance standards. Eliminates the need for bulky headgear and cumbersome connections
- Automated detection of anaerobic threshold, respiratory compensation and VO₂ max
- Five additional inputs for monitoring pulse-oximetry, heart rate, blood pressure, and outputs from treadmills and cycles.

Flow Device

- Bi-directional differential pressure PreVent Pneumotach
- U.S. patent numbers: 5038773 & 5119825
- Range: ± 18L/sec
- Accuracy: ± 3% or 50 ml/sec
- Resolution: 8.64 ml/sec
- Deadspace: 39 ml

Gas Sample

- U.S. Patent Number: 5042500
- Patented gas drying sample circuit
- Side stream sampling flow rate: 80-100 ml/min
- Warm-up Time: 30 minutes from cold start

O₂ Analysis

- U.S. patent number: 4995256
- Type: Zirconia
- Range: 0 - 100%
- Response: < 80 msec
- Accuracy: ± 0.03% O₂

CO₂ Analysis

- Type: NDIR
- Range: 0 - 15%
- Response: < 150 msec
- Accuracy: ± 0.1% CO₂

Size

- Height: 36 cm (14")
- Width: 36 cm (14")
- Depth: 36 cm (14")
- Weight: 12 kgs (26.5 lbs)

Power Requirements

- 100-240V/50-60Hz

