MedGraphics

ULTIMA CARDIO$_2$ ™

The best of both worlds . . .

Powerful BREEZESUITE Gas Exchange software and PC based Cardio Perfect ECG all in one easy-to-use system provides the physician with accurate information to differentiate heart and lung disease.

The Ultima CardiO$_2$ system provides you with the most complete and comprehensive stress testing system available. Featuring a fully integrated 12-lead stress ECG combined with true Breath-by-Breath V02.

As your needs change and testing volume increases, the flexible Ultima CardiO$_2$ system will expand with your busy practice. This totally integrated stress testing system gives you the ability to expand diagnostic applications to include spirometry and nutritional assessment without additional hardware. Simply add the software packages as needed

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VO_2 Testing Benefits

- Patented breath-by-breath analysis
- Automated anaerobic threshold detection
- Computerized interpretation package (optional)

ECG Testing Benefits

- ST segment profiles
- High-resolution color comparison of complexes
- Automated arrhythmia detection
- Optional interpretive resting ECGs
- Recordings printed on plain white paper during and after the test
- Can be used as stand-alone ECG system

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Systems & Technologies

Montpellier - France - www.datalink.fr

Specifications:

Display

- Monitor: PC monitor (800x600 minimum)
- Leads: 3, 6 or 12 leads simultaneously
- Sensitivity: 5, 10, 20 mm/mV
- Recording Speed: 5,10,12.5,25, 50,100 mm/sec
- Filtering: 50/60 Hz notch, muscle noise and baseline
- Information: heart rate, blood pressure, workload, exercise protocol, ST measurements, arrhythmias

ECG Printing

- Printer type: desk jet or laser jet
- Paper: standard A4 or US letter size
- Format: averages, full disclosure, 2 x 6,
- Trends, summary, heart rate, recovery, tabular report
- Paper speed: 5,10,12.5,25, 50,100 mm/sec
- Sensitivity: 5, 10, 20 mm/mV
- When: user-defined, during the test or automatic after recording or automatic after interpretation confirmation
- Where: locally or on network printer

Software Options

- ExFVL (Exercise Flow Volume Loops)
- ExerScript™
- Exercise Consult™
- User Defined Predicteds
- Spirometry
- Bronchial Provocation™
- Pulmonary Consult
- MEANS Resting ECG Interpretation
- Vector Cardiogram

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

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Official dealer : Datalink Systems & Technologies

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Size (Base)

- Height: 33 cm (14")
- Width: 36 cm (13")
- Depth: 33 cm (14")
- Weight: 12 kgs (26.5 lbs)

Power Requirements

- 100-240V/50-60Hz

Flow Device

- Bi-directional Pitot Tube pneumotach
- Patent Number: 5,038,773 & 5,119,825
- Range: ± 18 L/sec
- Accuracy: ± 3% or 50 ml, whichever is greater (meets or exceeds ATS/ERS clinical performance standards)
- Resolution: 8.64 ml/sec
- Sampling Deadspace: 20 ml

O_2 Analysis

- Patent Number: 4,995,256
- Type: Zirconia
- Range: 0 - 100%
- Response: (10-90%) <80 msec
- Accuracy: ± 0.03%

CO_2 Analysis

- Type: NDIR
- Range: 0 - 10%
- Response: <130 msec
- Accuracy: ± 0.05%

Gas Sample

- Patent Number: #5,042,500
- Patented gas drying sample circuit.
- Side stream sampling flow rate: 80-100ml./min
- Warm-up Time: 30 minutes from cold start.

ECG Recording Technique

- 12 leads (3,6 or 12 leads display)
- Different lead set combinations (standard, Cabrera, pediatric, user-defined)
- Chart speeds: 25, 50 mm/sec
- Sensitivity: 5, 10, 20 µV or mm
- History / Scroll back function while recording