

## The ParvoMedics TrueOne® 2400

is a compact, integrated metabolic measurement system for cardiopulmonary stress testing, indirect calorimetry, and maximal O<sub>2</sub> consumption measurement.

### Preferred by Exercise Physiologists

Used to test U.S. Winter Olympic athletes (TOSH) and Canadian Olympic athletes (U of Calgary). Also used at Cooper Institute, Harvard, Stanford, Duke, Washington, Florida, USC, and California State Universities.



## TrueOne® 2400 Specifications

### Oxygen Analyzer

Paramagnetic  
Range: 0-100% or 0-25%  
Accuracy: 0.1%  
Response Time: 200 ms, 21%-16%

### Carbon Dioxide Analyzer

Infrared  
Range: 0-15%  
Accuracy: 0.1% (for 0-10% CO<sub>2</sub>)  
Response Time: 100 ms

### Flow Measurement

Rudolph screen pneumotach  
Accuracy: +/- 0.5%  
Calibration: Precision "Yeh" algorithm  
Range: 0-800 L/min

### Mixing Chamber

4-liter high efficiency mixing

### Calibration

3-liter syringe  
16% O<sub>2</sub>/4% CO<sub>2</sub> E-cylinder cal gas  
2-stage regulator

### Accessories and Start-up

Rudolph 2-way valve  
Head support and swing arm  
Mouthpieces, noseclips, breathing tubes  
Water trap  
Weather station  
Mobile cart  
One-day on-site installation and training

### Software Options

Spirometry/MVV

### Hardware Options/Interfaces

ECG system  
Treadmill  
Bike ergometer

### Environmental and Electrical Specifications

Temperature: 14-30 degrees C  
Humidity: 20-80%  
Warm-up time: 30 minutes  
Power requirements: 100-240V/50-60 Hz

### Dimensions

Analyzer module: 12" W x 10" D x 5" H  
Mixing chamber: 5" W x 12.5" D x 5" H  
Mobile cart: 24" W x 30" D x 35" H

### Standards

CSA  
FDA 510(k) premarket clearance



*Making Metabolic Measurement Easy*

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### Warranty

*Our standard 3-year warranty with "Express Turnaround" assures top quality.*

### Metabolic Measurement Software

- Easy to use Windows XP software
- Real-time signal display for O<sub>2</sub>, CO<sub>2</sub>, and flow
- User-definable real-time graphs and values
- High precision flowmeter calibration
- Summary graph (single-breath or averaged)
- Summary report (single-breath or averaged)
- Complete filing system
- Results directly exportable to Excel spreadsheet