



Parvo Medics TrueOne® 2400

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THE MOST TRUSTED METABOLIC CART

The System of Choice at NASA and U.S. Olympic Training Centers



ABOUT US

A team of biophysicists developed cutting-edge technology that delivers accurate metabolic measurements under the most demanding exercise conditions.

The result was the Parvo Medics' TrueOne® metabolic cart, so accurate that it was selected to study exercise-induced physiological effects on top of Pike's Peak by expert exercise physiologists.

PREFERRED BY

- ✓ U.S. (TOSH/U.S. Ski Team) and Canadian Olympic athletes (Winsport)
- ✓ Duke U, Red Bull, Brooks Sports, Saucony, New Jersey Devils, Milwaukee Bucks
- ✓ U.S. Army, Navy SEAL Team Six, NIH, USDA as well as Universities around the Globe

ACCURATE



- Precision "Yeh" algorithm for flowmeter calibration
- Every system validated using Douglas bag method

RELIABLE & EASY TO USE



- 3-Year Warranty Included
- Durable and Proven Sensor Oxygen
- Intuitive. Gas cal takes ONLY 40 seconds

EXCEPTIONAL SUPPORT



- Rapid response with "express turnaround" service
- We back our product with World Class support

SPECIFICATIONS

Parvo Medics TrueOne® 2400

Oxygen Analyzer

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

Carbon Dioxide Analyzer

Infrared
Range: 0-15%
Accuracy: 0.1% (for 0-10% CO₂)
Response time: 100 ms

Flow Measurement

Rudolph heated pneumotach
Range: 0-800 L/min
Accuracy: +/- 0.5% with Precision "Yeh" Algorithm

Mixing Chamber

4-Liter high-efficiency mixing chamber

Calibration

3-Liter syringe
16% O₂/4% CO₂ E-cylinder cal gas
2-stage regulator

Standards

ETL
FDA 510(k) clearance

Environmental and Electrical

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

Options

Spirometry/MVV
Dilution/canopy RMR option
O₂ Dilution Residual Volume
GE CASE™ or CardioCard® ECG system
Full Vision TMX428CP Treadmill
Lode Excalibur Sport with Wingate Bike
Lode Corival cpet Bike
Suntech Tango M2 Stress Blood Pressure Monitor
Nonin Pulse Oximeter
Hans Rudolph Face Mask

Dimensions

Analyzer: 12" W x 10" D x 5" H
Mixing chamber: 5" W x 15" D x 5" H
Cart: 24" W x 30" D x 35" H

Warranty

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

Metabolic Measurement Software

Easy-to-use Windows 10 software
Real-time signal display for O₂, CO₂, and flow
User-definable real-time graphs and values
High-precision flow meter calibration
Summary graph (single-breath or averaged)
Summary report (single-breath or averaged)
Complete filing system
Maintenance reminder
Results directly exportable to Excel

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