

CCM Express™

THIS CHANGES EVERYTHING...



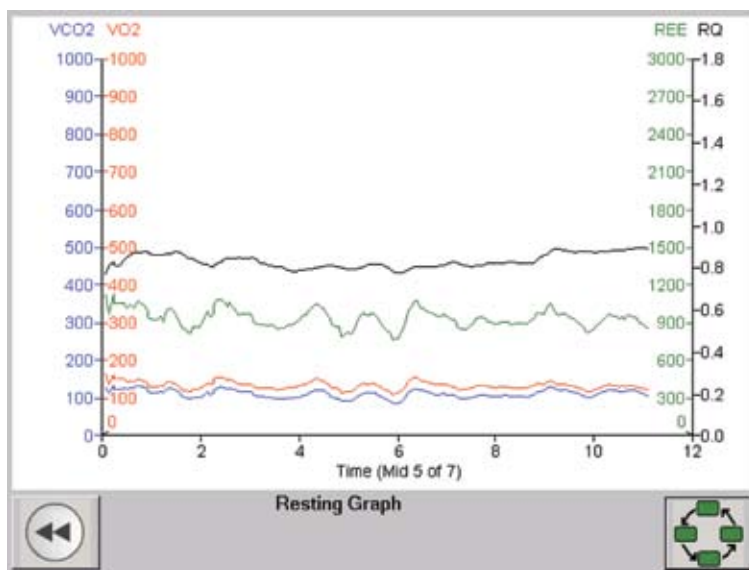
CCM Express™

INDIRECT CALORIMETRY AT YOUR FINGERTIPS...

"Indirect calorimetry remains the gold standard for assessment of REE in hospitalized patients."⁽¹⁾ Until now, however, indirect calorimetry in the ICU has been limited by issues of expense, highly technical operation and patient specific restrictions. The CCM Express eliminates those concerns and allows you to make Indirect Calorimetry part of your standard of care.

Accurate Indirect Calorimetry

The CCM Express provides accurate Resting Energy Expenditure (REE) measurements for ventilated or spontaneously breathing patients. The system features true breath-by-breath analysis under all testing conditions including fluctuating and high FiO₂.



Simple To Use

With the CCM Express, measuring your patient's nutritional requirements has never been this fast or easy. The system features automatic gasless calibration (patent pending) so syringes and calibration gases are not required and patient setup is complete in minutes. The system's intuitive software and touch screen operation make Resting Energy Expenditure (REE) tests push-button easy.



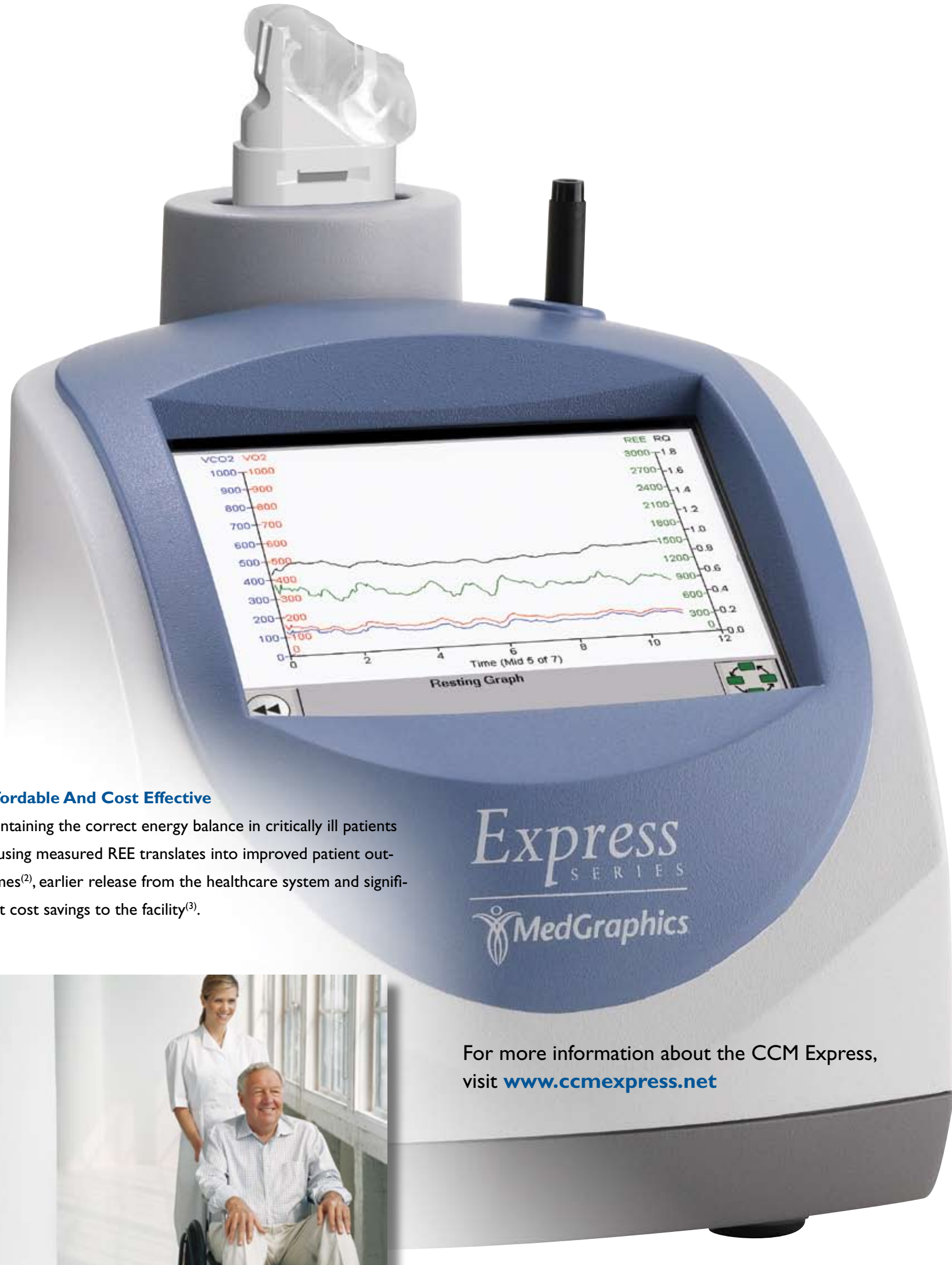
Direct Connect For Ventilators

The Direct Connect preVent™ Pneumotach allows measurement of REE at the endotracheal tube thereby eliminating any effects of pressure support or bias flow on the measurement. This advance in metabolic testing provides early and improved nutritional management of patients on a wide range of ventilators.

Compact And Maneuverable

The small size and convenient maneuverable cart make the CCM Express ideal for the busy and crowded environment of the Critical Care Unit.





Affordable And Cost Effective

Maintaining the correct energy balance in critically ill patients by using measured REE translates into improved patient outcomes⁽²⁾, earlier release from the healthcare system and significant cost savings to the facility⁽³⁾.



For more information about the CCM Express, visit www.ccmexpress.net



Technical Specifications

Size (Base)

- Height: 24 cm (9.5")
- Width: 19 cm (7.5")
- Depth: 26.7 cm (10.5")
- Weight: 4.7 kgs (9.2 lbs)

CCM Testing Capabilities

- RMR/REE
- Direct Fick Cardiac Output

Power Requirements

- 100-240V/50-60Hz
- Current: 0.85A max @ 240VAC
1.5A max @ 120VAC
- Watts: 200 watts @ 240VAC
180 watts @ 120VAC

Flow Device Direct Connect preVent™

- Bi-directional Pitot Tube Pneumotach
- Patent Number: 5,357,972
- Accuracy: ± 3% or 10 ml, whichever is greater
- Resolution: 2.4 ml/sec

Gas Sample

- Patented gas drying sample circuit
- Side stream sampling flow rate:
• 80-100 ml/min
- Warm-up time: 10 minutes

O₂ Analysis

- Type: Fuel Cell
- Range: 1- 100%[^]
- Response: (10 – 90%)<130msec
- Resolution: ±0.1%

CO₂ Analysis

- Type: NDIR
- Range: 0 – 10%
- Response: (10 – 90%)<130msec
- Resolution: ±0.1%

CCM Express show with standard printer and optional cart - part #543055-001

Options



Canopy
Part #800630-003



Face Tent
Part #800703-002



Face Mask - Medium
Part #670009-002
Also requires #531033-001



Gas Calibration
Part #790732-001
Also requires #536711-901
and #536711-902



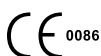
Calibration Syringe
Part #704001-004

References

- (1) Boullata, J, et. al. Accurate determination of energy needs in hospitalized patients. J Am Diet Assoc. 2007; 107:393-401
- (2) McClave, S., Snider, H.L. Use of Indirect Calorimetry in Clinical Nutrition. Nutrition in Clinical Practice 1992; 7:207-221
- (3) McClave, S., Lowen, C.C., Kleber, M.L., et. al. Are patients fed appropriately according to their caloric requirements? JPEN, Vol. 22, Issue 6, 375-381

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 #060037-001 REVA
Patent Numbers: 5,705,735; 5,502,660 & 5,042,500

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For more information about the CCM
Express, visit www.ccmexpress.net

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