References


With an estimated lifespan of 12-18 months, the O2 cell comes in a sealed bag and is easy to replace. Cell efficiency can be checked at anytime by the software.

**Technical Specifications**

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**REE Measurement (Oxygen Consumption)**

- Sensor Type: GFC (Galvanic Fuel Cell)
- O2 Measurement Range: 0-25%
- Sampling Rate: 30 sec / 60 sec
- Calibration: Automatic on room air
- Warm-up Time: 10 seconds
- REE Accuracy: ± 2%
- O2 Accuracy: ±0.02%
- O2 Sensor Lifespan: 12-18 months
- Max REE/RMR Testing Time: 50 min

**Flowmeter**

- Type: Bidirectional digital turbine Ø 28mm
- Flow Range: 0.08-20l/s
- Flow Resistance: <0.6 cmH2O/l/s @ 14l/s
- Accuracy Flow/Volume: ±2%

**Hardware (Unit)**

- Dimensions: 24 x 20 x 8 cm (9.4 x 7.8 x 3.1 in) / 1.5 kg (3.3 lb)
- Display: Color LCD 320 x 240 pixels
- Printer: High speed thermal printer 12 cm (4.7 inches)
- Memory Capacity: 200 tests (5 min per each REE measurement)

**Hardware (Canopy)**

- Dimensions: 46.8 x 32 x 22 cm (18.4 x 12.6 x 8.7 in)
- Canopy Volume: 18,7 l
- Flow Rate Range: 12-44.4 l/min
- Blower Internal Battery: 4 AA

**Standard Packaging Includes**

- Fitmate GS unit, AC/DC adapter, USB cable, Fitmate PC software (CD-rom), body meter, oxygen sensor, canopy hood, canopy blower, control board

**Available Languages**

- Firmware: Italian, English, Spanish, French, German, Portuguese, Greek, Dutch, Turkish, Chinese, Korean, Japanese, Finnish, Polish, Russian, Slovenian
- Software: Italian, English, Spanish, French, German, Portuguese, Greek, Dutch, Chinese, Finnish, Russian, Slovenian

**PC Configuration Required**

- Pentium or faster, Windows XP, VISTA (32/64 bit), Windows 7 (32/64 bit) 128 Mb RAM or more, USB, CD-rom reader, 80 Mb on HD space available

**Safety & Quality Standards**

- Equipment complies with MDD (93/42 EEC); EN 60601-1 (safety) / EN 60601-1-2 (EMC) FDA 510(k) cleared
- COSMED is an organization whose quality management system is certified by CERMET according to UNI EN ISO 9001:2008 and UNI EN ISO 13485:2004.

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**References**
