USB PC-Based Spirometer

The Cosmed microQuark PC Spirometer is designed for lung function screening. It can be used with any PC, either desktop or laptop, by simply installing the application software and connecting the USB cable to the USB port of the computer. All maneuvers (FVC, SVC and MVV) are displayed in real time, so the user can monitor tests while they are performed.

Features
- Digital turbine flowmeter
- Full Spirometry testing (FVC, SVC, MVV and Pre-Post bronchial challenge test)
- Advanced software for real time management of results
- Lung Age Measurement
- Automatic BTPS Correction
- First spirometer with USB interface
- Three Years Warranty

Technical Specifications - Flowmeter
- Bi-directional Digital Turbine Ø 28 mm
- Flow Range: 0.08-20 l/s
- Volume range: 12 liters
- Accuracy of reading: ±2%
- Resistance: <0.8 cmH2O/l/s @ 12l/s
- Temperature sensor: 0-50° C

Measured Parameters
FVC • IVC • VC • MVV • VT • FEV1 • FEV6 • FEV1/FEV6 • FEV6/FVC • PEF • PIF • FEV1/FVC • FEF 25-75 • FEV1/VC% • %FEV1 • MEF25% • MEF50% • MEF75% • FET 100% • Lung Age • ERV • IRV • VE • Rf • ti • te • ti/t.tot • VT/ti • Best FVC • Best FEV1 • IC • SpO2 • HR • R_occ • G_occ

Predictive Values
ERS 1993 (ECCS 1983), NHANES III, Knudson 83, ECCS 1971, ITS, Zapletal, LAM, Pneumobil, Gutierrez (Chile), Multicèntrico, Barcelona, Thai 2000, Austria (Forche), Crapo 1981 user defined predicted calculations.

Standard Packaging
PC software and user manual, Flowmeter, 2 Nose clips, Serial cable, Carrying case, Pediatric mouthpiece adapter, PS2 keyboard/mouse adapter, 20 Adult mouthpieces, 20 Pediatric mouthpieces. Dimensions (mm, inches): 150x45x53 (38.1x11.43x13.4). Weight (g, lbs): 77 (0.17)

PC Configuration Required
Pentium or faster, Windows XP, 2000, 98 or NT, 32 Mb RAM or more , Available USB port, CD-ROM Drive, 20 Mb on HD space available, Monitor VGA, SVGA, XGA, Any mouse and printer compatible with the MS Windows™ operative system.

<u>Available Languages</u>
English, Italian, French, German, Spanish, Portuguese, Turkish, Chinese (Mandarin), Korean.

<u>Safety and Quality Standards</u>
Equipment complies with MDD (93/42 EEC);FDA 510(k) cleared (federal law restricts this device to sale by or on the order of a physician). EN 60601-1 (safety) / EN 60601-1-2 (EMC).

Global Care International's standard model configuration for use with the **eDoc**® Telemedicine System Model Number MQ-9061 includes a stand-alone PC-Based software system making it the perfect addition to your cardiopulmonary diagnostics capabilities.