

OTTHON - Mobile Handheld Spirometer

GENERAL DESCRIPTION

Otthon is a pulmonary function diagnostics and monitoring device for use by general practitioners and patients.

Otthon is a compact, mobile, affordable solution for screening COPD and asthma.

SPECIFICATIONS

- Flow measurement principle: **Idegen™ multiple-path**
- Flow dimensions: : **30 mm (OD) X 150 mm**
- Device weight: **300 g**
- Sensor weight: **150 g**
- Dead space: **16,8 mL**
- Flow resolution: **8 mL/s**
- Flow precision: **3 %**
- Flow range: **+ - 18 L/s**
- Connection to PC: **USB or Serial**
(Bluetooth is available as an option)
- Device dimensions: **35 X 120 X 120 mm**
- Power supply: **USB 5V or 2 x AAA battery**
- Graphical user interface: **QVGA (320 X 240 px), 16M colors**
- No moving parts



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MISCELLANEOUS

- Automated diagnostic interpretation, the results are communicated to the patient with human voice
- Explains its own use to the patient with voice and video
- Battery or USB charger operation
- Touch screen, bright color high resolution LCD display
- External printer connectivity
- Automatic internal calibration, (external validation with calibration pump available)
- Tele-medical connection via Bluetooth available,
- The inner surface of the flow tube is continuous, it can be disinfected with cold sterilizing liquid InstruMed
- MECHTLER Protocol for optimized pharmaceutical administration

ADDITIONAL FEATURES

- Flow measurement principle:
Idegen™ multiple-path
- Standard pulmonary function parameters:
FVC, -FEV*0.5, FEV*0.5/IVC, FEV*0.5/FVC, FEV*1.0/IVC, FEV*1.0/FVC, PEF, FEF*25-75%, MEF*75%, MEF*50%, MEF*25%, FET, MTT, FIVC, FIV*0.5, FIV*1.0, PIF, FIF*25-75%, IRV, ERV, TV, Breath Rate value
- Insp./Expi Ratio : **From 1:10 to 10:1**

