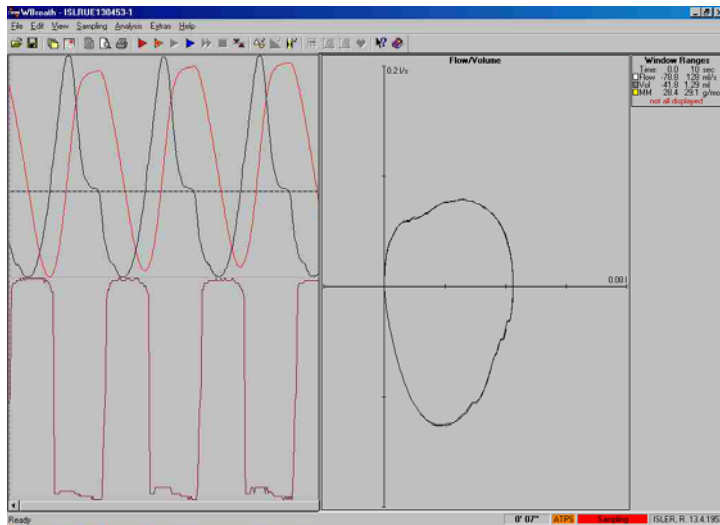


EXHALYZER[®]S

High performance patented ultrasonic flow measurement



Your advantage:

High performance flow – volume analysis

Neonate, pediatric and adult application

Colorful graphics

Graphical and numerical records

Lightweight sensor

High precision



EXHALYZER[®]S is a unique powerful system for continuous, simultaneous measurement and display of various lung function parameters on neonatal, pediatric or adult patients. The combination of flow and volume facilitates an integrated assessment of the patient's pulmonary condition.

The patented ultrasonic transit time measurement technique, a benchmark in precise flow and volume measurement, enters the 2100 century.

Changes in the gas composition, turbulence, humidity or temperature of the respiratory flow do not influence the accuracy of measured flow and volume. Exchangeable dead space reducers guarantee always highest resolution for the measurement and adaptation to the patient.

On the basis of standard or user-specified criteria the software selects the most suitable data set and displays graphics combined with patient demographic data. Pre-programmed records including customized report heading may be used for patient history record, validation of medical treatment and screening. The report print-out includes graphical and numerical data.

EXHALYZER[®]S, designed for highest expectations.

The concept:

- Flow – Volume analysis (neonates, pediatrics and adults)
- Specific set-ups for infants and adults
- Large flow / volume loop presentation on the computer screen
- Compact and lightweight design

The PC based software package of the EXHALYZER[®]S allows the operator to measure and record data obtained during tidal breathing or for one selected breath cycle of the patient.



Report print-out

Specifications EXHALYZER®S

Flow measurement:

Flow range: ± 0.5 l/s (DSR small) for infants < 5 kg body weight (optional)
 ± 1.5 l/s (DSR medium) for infants (optional)
 ± 16 l/s (Spirette) for adults

Volume resolution: 0.6 ml, 1 ml *

Accuracy: ± 3 %

Sampling frequency: 200 Hz

General:

Temperature range: 5–40 °C

Humidity tolerance: 5–95% rel. humidity (non condensing)

Data interface: USB

Weight: 300 g

Data acquisition: SPIROWARE® with Add on Tools, PC program

Delivery: EXHALYZER S, with 10 Spirettes, operator's manual and program
"SPIROWARE®" with "Add on Tools"

System requirements:

Operating system: Windows XP or higher

Drives: CD ROM

Memory: 16 MB RAM and 10MB free hard disk space

Graphics: XGA or better

* depending on flow range



Flow Head

(Note: Computer and printer are not part of the delivery)

ECO MEDICS reserves the right to change these specifications without notice. Documentation in English



International: