

HUMAN BREATHING: SPIROMETER SENSOR

Reference : PS-2152



Spirometer sensor

Our spirometer measures the respiratory rate. The measurement is based on the speed of the air passing through the plastic tube. Inhalation is expressed negatively and exhalation positively.

Common applications: Perfect for in-exercise measurements, effect of physical activity on cardio-respiratory parameters, human respiration, comparison smokers / non-smokers.

Options available with CAPSTONE software:

- Measurement of Respiratory Intensity (RI)
 - Max RI
 - Volume of the lungs
 - Inhalation, exhalation and forced exhalation volume
 - Oxygen consumption: add an O2 probe (ref: PS-2196 for example) to the proposed equipment
- Technical characteristics:
- Measurement range: -315 to 315 L / min
 - Precision: 5%

- Cable length: 90cm
- Frequency of measurement: 50 Hz