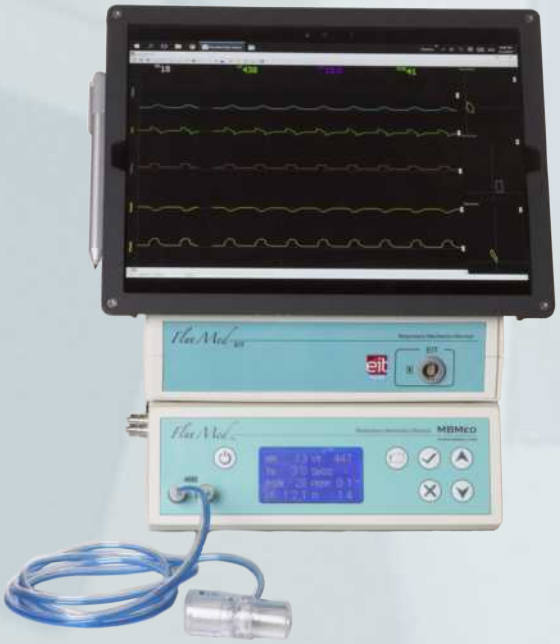
# FluxMed

## Respiratory Mechanics Monitor

### Measurement in all the phases of ventilation



## MAKES POSSIBLE

Faster weaning

Shorter ventilation time

Shorter hospitalization time

Greater successful weaning rate

Avoid complications associated with mechanical ventilation

Optimize the patient-ventilator synchrony

Cost savings

## ADVANCED MEASUREMENT

Transpulmonary Pressure

Work of Breathing (WOB)

Campbell Diagram

Pressure Time Product (PTP)

Stress Index (SI)

Transpulmonary Stress Index

Volumetric capnography

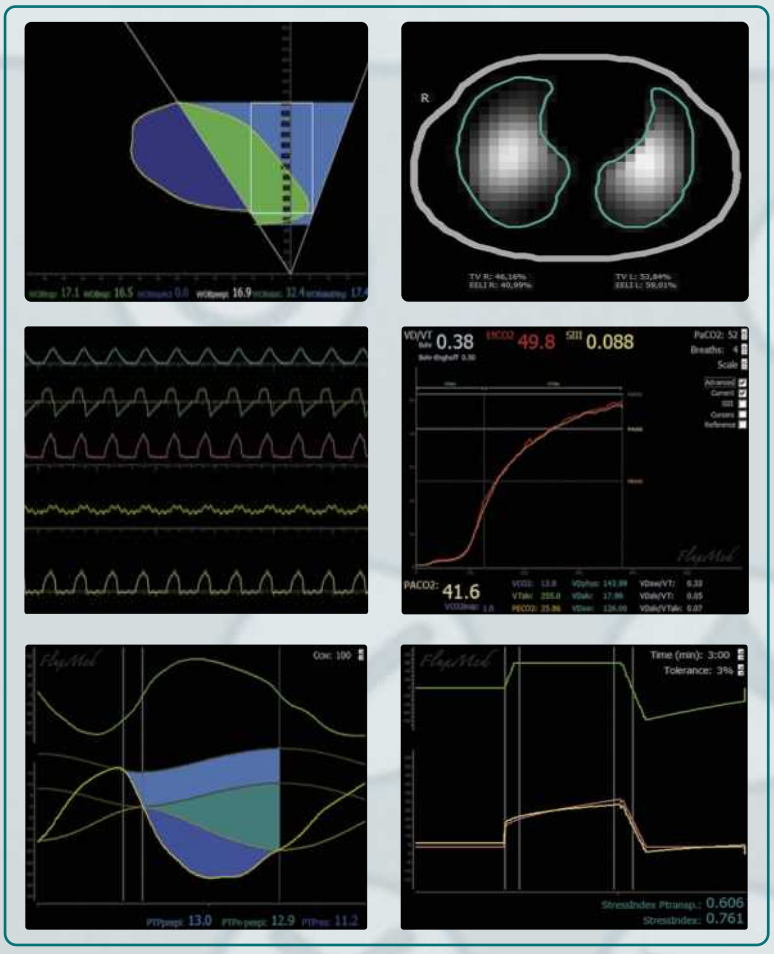
Alveolar CO2 (PACO2)

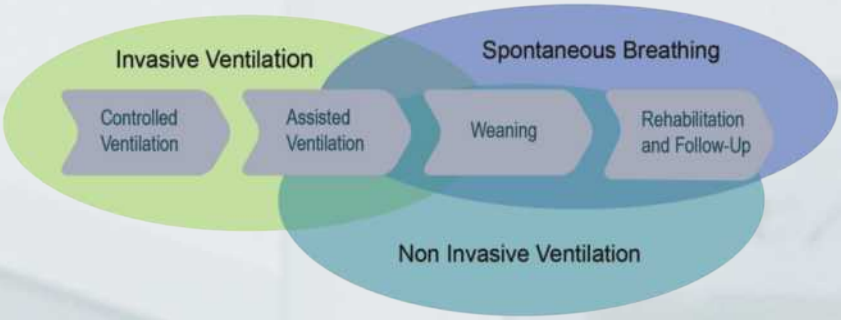
Breath by breath Vd/Vt

CO2 production

Percentage of assistance

Electrical Impedance Tomography



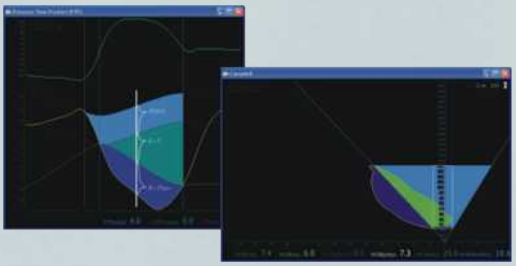


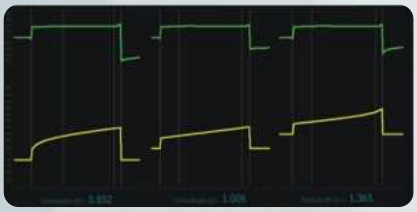

## SPECIALLY DESIGNED TO MEASURE

Controlled mandatory ventilation
Assist-control ventilation
Weaning process
T-Piece Test
Non Invasive Ventilation
Spontaneous Breathing
Rehabilitation and Follow-Up

## WORK OF BREATHING

Pressure Time Product (PTP) makes possible to measure the patient respiratory effort, divided in the elastic and resistive components.
The Campbell diagram shows the patient work of breathing (WoB), separating the different elastic and resistive areas.
These tools are especially useful for complex weaning and for COPD patients.





## STRESS INDEX

Stress Index indicates if a patient is being ventilated in the safe zone, avoiding overdistension and alveolar collapse.
Stress Index is especially useful for ARDS patients.

## VOLUMETRIC CAPNOGRAPHY

Makes possible to assess the efficiency of the patient´s ventilation. By knowing the dead space to tidal volume ratio (Vd/Vt), the CO2 alveolar pressure and the CO2 production (VCO2), breath by breath information about pacient´s lung perfusion can be obtained.


## ELECTRICAL IMPEDANCE TOMOGRAPHY

Adding EIT to the respiratory monitoring provides a deeper understanding of the physiology of patients requiring mechanical ventilation. This non-invasive technology allows a regional and continuous analysis of the lungs. Fluxmed EIT uses SenTec AG EIT Branch technology.

## SIGNALS AND PARAMETERS RECORDING AND REVIEWING

The FluxView software allows to record and view respiratory mechanics signals and parameters in real time. The FluxReview software makes possible to analyze previously recorded signals.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