

Innocor with Breath-by-Breath VO2 option



Innocor[®]
innovision

The Breath-by-Breath (BbB) Option for Innocor[®]

With the BbB Option for Innocor[®] you can do breath-by-breath measurements of $\dot{V}O_2$, $\dot{V}CO_2$ and \dot{V}_E and calculate a large number of derived variables such as peak $\dot{V}O_2$, AT, and $\dot{V}_E/\dot{V}CO_2$.

The Innocor[®] Breath-by-Breath software calculates the following parameters on-line for each breath:

Abbreviation	Name	Unit
$\dot{V}O_2$	Oxygen consumption	l STPD/min
$\dot{V}CO_2$	Carbon dioxide excretion	l STPD/min
R	Respiratory exchange ratio	
\dot{V}_E	Expiratory minute ventilation	l BTPS/min
\dot{V}_A	Alveolar ventilation	l BTPS/min
V_D	Anatomical dead space	l BTPS
V_T	Tidal volume	l BTPS
F	Respiratory rate	/min
$F_{ET}O_2$	End-tidal concentration of oxygen	%
$F_{ET}CO_2$	End-tidal concentration of CO ₂	%
EQO_2	Expiratory quotient / ventilatory equivalent for oxygen	
$EQCO_2$	Expiratory quotient / ventilatory equivalent for CO ₂	

The on-line BbB option is able to run continuously for > 60 min.

The Innocor[®] BbB software enables:

- Stand-alone BbB monitoring
- BbB monitoring during an exercise protocol, at the same time as rebreathing tests are performed at programmed intervals.

During an exercise protocol performing rebreathing test, the BbB monitoring:

- saves all the BbB parameters, and
- saves an averaged value of the BbB parameters prior to each rebreathing test.