

Specifications (table1)

◆Mode

NCPAP	Nasal CPAP
NCPAP + Apnea	Breath rate monitoring, featuring Apnea alarm function
Biphasic	Intermittent mandatory ventilation
Biphasic + Apnea	Intermittent mandatory ventilation, Breath rate monitoring, Apnea alarm function
BiPhasic tr	Synchronized mandatory ventilation: Breath rate monitoring, Apnea alarm and Apnea backup function

◆Set parameter

Inspiratory time(T-high)	0.1 to 3 sec
Rate(Rate/Ra)	1 to 120 bpm
Apnea interval(T apnea)	10 to 30 seconds, 5 second intervals
NCPAP/Pressure low flow meter	0 to 15 L/min Accuracy: $\pm 15\%$ of selected output
Pressure high flow meter	0 to 5 L/min Accuracy: $\pm 15\%$ of selected output
Manual breath	Every breath, depends on selected output of T-high(Inspiratory time)
% O ₂	21 – 100%

◆Alarm

Airway over-pressure limit alarm	Maximum 11cmH ₂ O Maximum 15cmH ₂ O during BiPhasic tr mode
High airway pressure alarm	Activates when pressure reaches 3cmH ₂ O above set airway pressure
Low airway pressure alarm	Activates if pressure falls 2cmH ₂ O below set airway pressure or at pressure less than 1.5cmH ₂ O
High/Low % O ₂ alarm	Activates at $\pm 5\%$ of the set ratio. Lower limit: 18%, Upper limit: 104%
No breath rate(Apnea) alarm	
Low battery charge alarm	
Flat battery charge alarm	
Supply gases failure alarm	

◆Set parameter and default value

Parameter	Minimum	Maximum	Accuracy	Unit	Default
Set Oxygen concentration(% O2)	21	100	± 3%	%	NA
nCPAP/Pres Low flow rate	0	15	± 15%	L/min	NA
Pressure high flow rate	0	5	15%	L/min	NA
T-high(Inspiratorytime) BiPhasic/BiPhasic tr* mode	0.1	3.0	±0.005	sec	0.3sec
Rate (Breath rate) BiPhasic mode	1	120	±0.5	bpm	30bpm
Rb(apnea backup rate) BiPhasic mode	1	120	0.5	bpm	10bpm
Apnea timeout, Tapnea	10	30	1	sec	20sec