

medinCNO®

Technical specifications

The medinCNO CPAP driver is used in combination with the Medijet® nCPAP generator to administer CPAP therapy to premature infants and newborns.

Specification

Gas delivery unit	Computer controlled electronic blender with integrated oxygen sensor; flow and pressure controlled, range 0 to 17,5 l/min (flow working area 4 to 10 l/min; additional flow during inspiration push up to max 17,5 l/min minus set basis flow; in 0,1 l/min steps)
Gas supply	3,0 to 6,0 bar (Air and Oxygen)
Gas connection	DISS or NIST
Power	Internal battery, 14 V DC, operating time 3 hours, rechargeable External power supply 100 -240 V AC 50/60 Hz
Display	7,0" LCD multi-colour; 800 x 480 Pixel
Data	Patient pressure 0 to 20 mbar (diagram and measurement) Trend: CPAP, FiO ₂ , RR, Push frequency, oscillation frequency, oscillation amplitude - up to 28 days
Push	Push pressure - measured up to 15,0 mbar (in 0.1 mbar steps) Push time limited to max 2 sec (in 0,1sec steps) manual and automatic
RR	Measured respiratory frequency; 1 - 120 bpm; in CPAP and Apnea CPAP mode
Apnea time	2,0 to 20,0 sec. (in 0,1 sec steps)
Push time	Additional Push Flow 0 to 17,5 l/min minus adjusted flow; in 0,1 l/min steps
T insp.	0,2 to 2,0 sec (in 0.1 sec. step)
Exp. pause	0,3 to 20,0 sec (in 0.1 sec. steps)
Trigger	Medijet pressure trigger based on the CPAP pressure sensitivity $\pm 0,2$ to $\pm 2,0$ mbar (in 0,1 mbar steps)
Oscillation	Frequency range 5 to 20 Hz (in 1 Hz steps) Amplitude range from step 1 to 10 measured mean amplitude 0 to 15 mbar (in 0,1 mbar steps)
FiO ₂	Oxygen concentration 21 to 100 % (in 1% steps) alarm setting: $\pm 2, 3, 4, 5$ % difference
Alarms	Optical, visual and audible (adjustable as push alarm), central alarm integrated
Safety	Mechanical overpressure valve electronic shut off valve
External data	USB/RS232 port, export of live and trend data
Oxygen cell	Oxygen cell with lifetime of 3 years



Description of modes

CPAP	Standard CPAP; with additional function: Leak-Assist (± 2 l/min to keep target pressure)
Apnea CPAP	CPAP with Apnea detection (automatically generated push); with additional function: Backup (Backup Rate: 5-120/min as a function of Ti(minimum 0,2 sec) and NIPPV (5-120/min as a function of Ti (minimum 0,2 sec))
SNIPPV	Two different pressure levels, independent, adjustable in time and trigger, synchronized to breathing. With additional function: Backup (Backup Rate: 5-120/min as a function of Ti (minimum 0,2s)) delay after trigger: up to 0,1 sec
Oscillation	CPAP with superimposed high frequency oscillation

Software adjustments

Languages	EN, DE, ES, FR, IT, NL, EL, NO, SV, DA, PL, CZ, RU, LT, JA, ZH, TR
Pressure units	mbar or cmH2O
Scale of pressure	Three adjustments: 0-10, 0-15 and 0-20 mbar/cmH2O

Physical data

Dimensions	29 cm, 23,5 cm, 18,5 cm (W x H x D)
Weight	4,75 kg

Standard

Classification	Class IIb
Certification	ISO 9001, ISO 13485 and 93/42/EEC certified production facility
Declaration	CE Marked product according to MDD 93/42/ EEC



Warranty and service

Period	24 months
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Humidification (recommended)

Hamilton Medical	HAMILTON-H900 humidifier
Fisher&Paykel	MR850

Accessories

Generator	Medijet 1000, 1010, 1020
Holder for power supply	REF-39-302
Water trap (gas supply)	REF 39-800_DISS or REF 39-800_NIST
Pole	REF 5001
Mounting	REF 5002
Basket for tubes	REF 5010

Manufacturer:

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