

medinCNO[®]mini

Technical specifications

The medinCNO mini nCPAP device is used in combination with the Medijet nCPAP generator or with a suitable nasal cannula to administer nCPAP or High Flow therapy to premature infants and newborns.

Specification

Gas delivery	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, Flow - up to 28 days
CPAP	Measured from 0 to 18 mbar (in 0,1 mbar steps)
Push	Push pressure - measured up to 15,0 mbar (in 0,1 mbar steps) Push time limited to max 2 sec (in 0,1 sec steps) manual and automatic
RR	Measured respiratory frequency; 1 - 120 bpm; in CPAP and Apnea CPAP mode
Apnea time	2,0 to 3,0 sec (in 0,1 sec steps)
Push flow	Additional push flow 0 to 17,5 l/min adjusted flow; in 0,1 l/min steps)
T insp.	0,2 to 2,0 sec (in 0,1 sec steps)
Trigger	Pressure trigger based on the CPAP pressure sensitivity; $\pm 0,2$ to $\pm 2,0$ mbar (in 0,1 mbar steps)
FiO ₂	Oxygen concentration 21 to 100 % (in 1 % steps)
Alarms	Optical, visual and audible (adjustable as push alarm); central alarm integrated
Safety	Mechanical overpressure valve; electronic shut off valve
External data	USB 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))
NIPPV	NIPPV (5-120/min as a function of Ti (minimum 0,2 sec)); I:E proportion
High flow	Maximum adjustable flow: 12 l/min; adjustable O ₂ -Flush

Software adjustments

Languages	EN, DE, FR, ES, IT, NL, RU, LT, EL, TR, SV, DA, JA, CZ, PL, RO
Pressure units	mbar or cmH ₂ O
Scale of pressure	Three adjustments: 0-10, 0-15 and 0-20 mbar/cmH ₂ O

Physical data

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

Standards

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



Warranty and service

Period	24 months
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Humidification

Hamilton Medical	HAMILTON-H900 humidifier
Fisher & Paykel	MR850

Accessories

Generator	Medijet 1000, 1010, 1020
Nasal cannula	REF 1390
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:

medin Medical Innovations GmbH

Adam-Geisler-Straße 1

☎ +49 (0)8142 448 460

info@medin-medical.com

www.medin-medical.com