PD 1000 Pulse Dose™ Conserving Device

The Drive DeVilbiss International PD1000 Oxygen conserver regulates and controls medical grade oxygen from a high-pressure cylinder.

Its compact and lightweight design means the PD1000 is easily fitted to an oxygen cylinder. The Pulse Dose™ waveform gives true 3:1 conservation of the oxygen in the cylinder. This allows the patient considerably longer use from the cylinder than they would have with the same cylinder fitted with a continous flow regulator.

TECHNICAL SPECIFICATIONS

Dimensions	7.1 H x 12.0 L x 8.6cm W
Weight	570 g / 620 g (with battery)
Power Supply	2 x AA alkaline or NiMH batteries provide approx. 50 days usage (based on 2 lpm, 20 bpm. 4 hrs per day)
Oxygen Delivery Time	5.5 hours (2 lpm CF / 20 bpm equivalency)
Continous Flow Backup	2.0 lpm standard; 3-6 lpm cannula fitting available
Saving Ratio	3:1
Cannula	Single Lumen
Pressure Gauge (Built into unit)	Red zone: 0 - 500 psi (0 - 34 bar), Green zone: 500 - 2250 psi (34 - 155 bar)
Indicators	Normale Pulse: Visual (green LED flashes); Low battery: Visual alarm (red LED flashes); Insufficient battery: Visual alarm (Solid red LED)

FEATURES & BENEFITS:

- Rate responsiveness and maximum savings
- Durability, light weight & simple operation
- High-impact polymer case resists damage
- Gentle 10 LPM O_2 flow
- Protected cannula fitting
- Small and light unit
- Adjustable continous flow flexibility (2 - 4 months life)
- Easy change AA-batteries: 200 hrs. life
- Field-serviceable, reducing turnaround

FEATURES FOR PATIENT SAFETY

- Acoustic alarm when no breathing is detected (Apnoea)
- Maximum trigger rate of 40 breaths per minute, to avoid hyperventilation
- Battery check:

- A green light flashing at normal working conditions and on every breath.
- A flashing red light indicates that there are 4 - 8 hours of battery life remaining
- A constant red light indicates that the battery should be changed immediately

PD 1000 Setting	Delivery of Oxygen	
1	1.0 l / min.	16.5 ccm
1.5	1.5 l / min.	24.8 ccm
2	2.0 l / min.	33.0 ccm
2.5	2.5 l / min.	41.3 ccm
3	3.0 l / min.	49.5 ccm
4	4.0 l / min.	66.0 ccm
5	5.0 l / min.	82.5 ccm
6	6.0 l / min.	99.0 ccm

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