



RespiraSense™ Breathing Frequency Monitor

- CE Marked
- Wireless reporting
- Continuous monitoring
- Single-patient-single-use sensor
- Local audible alert
- Lasts up to 4 days per full charge
- Rechargeable battery
- RoHS compliant
- Ingress protection 54



DESCRIPTION

RespiraSense™ is a short-term continuous respiratory rate monitor for all patients excluding neonates and infants. A plug and play system that will integrate seamlessly into hospitals with programmable alert settings for localised alert generation to align with hospitals early warning scoring procedures.

FEATURES

- CE Marked
- Audible and visual alerts
- Up to 4 days battery life on a single full charge
- Complete respiratory rate trend visualisation
- Wireless Bluetooth Low Energy technology
- EMC Compliant
- Safe and effective monitoring
- 2, 5 or 15 minute averages available based on user needs
- Sensor shelf life: 2 years
- Individually packaged sensors
- Biocompatible adhesive
- Single-patient-single-use
- IP54 protection
- Compatible with Electronic Health Record systems

Functional Parameters Value

Range	6-60 breaths per minute (BPM)
Resolution	1 BPM
Accuracy	±3 BPM with a bias of < ±1 BPM as compared to capnography with 95% limits of agreement on Bland Altman Plot
Sample rate	10 Hz
Output rate	25 second update averaged over a 2, 5 or 15 minute window (user setting)

Physical Parameters Value

Assembly dimensions	(LxWxH) 57mm x 98mm x 18mm
Assembly weight	57g
Reusable lobe	Moulded plastic; ABS Plastic
Consumable sensor	Medical grade silicon adhesive; spunlace nonwoven top layer
Ingress protection	IP 54

Battery Specification	Value
Type	Lithium polymer
Capacity	660 mAh
Battery life	4+ days
Re-charge time	4 hrs

Alarm Parameters	Value
Audible & visual alarm whenever respiratory rate goes outside user specified range	Lower threshold: 6 - 59 BPM Upper threshold: 7 - 60 BPM
Alarm tone	850 Hz tone, 3 pulse, repeat time: 5 seconds
Volume	64 dB (max.)

Display/Indicators	Value
Data display	Alert status, battery low, unit charging, unit charged, Bluetooth communication active
Type	RGB LED

ASSOCIATED IT EQUIPMENT PROVIDED

Part Number	Description
PDS-701-000	Tablet PC with RespiraSense™ monitor software
PDS-102-000	RespiraSense™ Charging Station

ORDERING INFORMATION

Part Number	Description	QTY	MOQ
PDS-502-000	RespiraSense™ consumable sensors	18	6
PDS-000-000	RespiraSense™ assembly kit includes:	1	1
PDS-101-000	RespiraSense™ lobe	6	
PDS-701-000	RespiraSense™ medical software (pre-installed on a tablet PC)	1	
PDS-102-000	RespiraSense™ Charging Station	1	
PDS-801-004	RespiraSense™ instructions for use	1	
PDS-601-000	RespiraSense™ power supply unit	1	

Find out more at:

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www.pmd-solutions.com

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