Which device for your patient?

PHILIPS

RESPIRONICS

Which device for your patient?

	System One REMstar Pro	**System One REMstar Auto**
Target patients	**OSA**	**OSA**
Modes	• Fixed CPAP	• Fixed CPAP • Auto CPAP

Algorithm and technology	• Advanced event detection
	  - Clear vs. obstructed airway apnea
	  - Periodic breathing
	  - Hypopneas, flow limitation, snoring, RERA
	• Digital Auto-TRAK
	• System One Humidity Control (SOHC)
	• System One Resistance Control (SORC)
	• C-Flex +
	• CPAP Check (option)
	• Heated Hose (option)
		• Advanced event detection and reaction
		  - Clear vs. obstructed airway apnea
		  - Periodic breathing
		  - Hypopneas, flow limitation, snoring, RERA
		• Digital Auto-TRAK
		• System One Humidity Control (SOHC)
		• System One Resistance Control (SORC)
		• A-Flex
		• Opti Start
		• Mask Fit Check
		• CPAP Check and Auto Trial (option)
		• Heated Hose (option)

Settings	• Pressure level (4-20 cmH$_2$O) • C-Flex: 0 to 3 • Ramp • SOHC: 55% - 95% of relative humidity (upon mode) • SORC (optional): X1-X5	• Min and Max pressure (4 - 20 cmH$_2$O) • A-Flex: 0 to 3 • Active ramp • SOHC: 55% - 95% of relative humidity (upon mode) • SORC (optional) : X1-X5
Data management	EncorePro 2.x Software • Compliance • Residual events indices: AH, CA, OA, FL, VS, RERA • % PB/night • Normal mask fit periods • % Large leaks /night • CPAP pressure • Flow/pressure waveforms (last night)	EncorePro 2.x Software • Compliance • Residual events indices: AH, CA, OA, FL, VS, RERA • % PB/night • Normal mask fit periods • % Large leaks /night • 90% pressure (P90) • Flow/pressure waveforms (last night)
Screen	• Pressure, sessions > 4 h, AHI, PB%, Average compliance and leaks (last 7 and 30 days)	• Pressure, sessions > 4 h, AHI, PB%, Average compliance, leaks and P90 (last 7 and 30 days)
Alarm	• Patient disconnection (leak)	• Patient disconnection (leak)

System One BiPAP Auto	**System One BiPAP autoSV Advanced**
OSA **Severe patient** **Non-compliant patient**	**Complex breathing patterns such as:** **CSR, CSA, mixed apneas and** **complex apneas**
• Fixed bi-level • Auto bi-level	• Auto CPAP • BiPAP S and S/T • Auto CPAP + servo ventilation • BiPAP + servo ventilation

• Advanced event detection and reaction
  - Clear vs. obstructed airway apnea
  - Periodic breathing
  - Hypopneas, flow limitation, snoring, RERA
• Digital Auto-TRAK
• System One Humidity Control (SOHC)
• System One Resistance Control (SORC)
• Bi-Flex
• Mask Fit Check
• Heated Hose (option)
	• Accurate event's detection
	  - Clear vs. obstructed airway apnea
	  - Periodic breathing
	  - Hypopneas, flow limitation, snoring
	• Automatic EPAP (can be fixed)
	• Automatic pressure support
	• Automatic backup rate (can be fixed)
	• Automatic calculated target peak flow
	• Digital AutoTRAK
	• System One Humidity Control (SOHC)
	• System One Resistance Control (SORC)
	• Bi-Flex
	• Heated Hose (option)

• EPAP min and IPAP max
• Delta max between EPAP and IPAP
• Delta min between EPAP and IPAP
  (0 - 8 cm H_2O)
• Bi-Flex: 0 to 3
• Active ramp
• SOHC: 55% - 95% of relative humidity
  (upon mode)
	• EPAP (min and max)
	• Pressure support (min and max)
	• Backup rate (auto or fixed,
	  from 0 to 30 BPM)
	• Flex comfort level
	• SOHC: 55% - 95% of relative humidity
	  (upon mode)
	• SORC (optional): X1-X5

EncorePro 2.x Software
• Compliance
• Residual events indices:
  AH, CA, OA, FL, VS, RERA
• % PB/night
• Normal mask fit periods
• % Large leaks /night
• 90% EPAP and IPAP
• Oximetry
• Flow/pressure waveforms (last night)
	EncorePro 2.x Software
	• Compliance
	• 90% EPAP
	• Average pressure support
	• Residual events indices:
	  AH, CA, OA, FL, VS
	• % PB/night
	• Average breath rate
	• Average triggered breaths
	• Average minute ventilation
	• % Large leaks/nights
	• Flow/pressure and SpO_2 waveforms
	  (last night)

• Pressure, sessions > 4 h, AHI, PB%,
  Average compliance, leaks and 90%
  EPAP/IPAP (last 7 and 30 days)
	• Pressures, SpO_2 leaks, RR, expired
	  tidal volume, minute ventilation

• Patient disconnection (leak)	• Apnea, patient disconnection • Low minute ventilation

	BiPAP ST/BiPAP AVAPS	**BiPAP A30**
Target patients	Chronic respiratory insufficiency patients (patient > 18 kg)	Chronic respiratory insufficiency patients. Adult or pediatric (patient > 10 kg)
Modes	CPAP, S, ST, PC**, T**	CPAP, S, S/T, PC, T
Algorithm and technology	Digital Auto-TRAK • AVAPS (BiPAP AVAPS only): Hybrid ventilation that automatically adjusts the inspiratory pressure to ensure a pre-set averaged tidal volume	• Digital Auto-TRAK • Ajustable AVAPS (Hybrid ventilation that automatically adjusts the inspiratory pressure to ensure a pre-set averaged tidal volume, with the option of controlling the velocity of the pressure variation)
Settings	• IPAP (4 - 25 cmH$_2$O) • EPAP (4 - 25 cmH$_2$O) • RR (0-30 BPM) • Ti (0,5 - 3,0 s) • Rise time: 1 to 6 (100ms up to 600ms) • Additional settings for AVAPS: IPAPmax, IPAPmin, Target Vt (200 - 1500 ml) • Humidification: 1 to 5 (70% to 95% of relative humidity on mask)	• IPAP: 4-30 cmH$_2$O • EPAP: 4-25 cmH$_2$O • RR: 0 à 30 bpm • Ti: 0,5-3,0 sec (par gradation de 0,1 sec) • Additional settings for AVAPS**: • IPAPmax, IPAPmin, Vt cible (200-1500 ml) • l'IPAP variation speed: from 0.5 to 5 cmH$_2$O / minute • Rise time 1 to 6 (from 100 up to 600 ms)
Data management	EncorePro 2.x software Short and long term trends, compliance, pressures, tidal volume, % patient triggered breath, breath AH, CA, A, FL, VS, % PB/night, average breath rate, average triggered breaths, average minute ventilat desaturation index (when SpO$_2$ kit connected during therapy) and alarms. DirectView software Up to 72 hours ventilation waveforms (A series and Trilogy series only), short and long term trends triggered breath, breath rate, minute ventilation, residual events indices: AH, CA, A, FL, VS, % PB/nigh breaths, average minute ventilation, % large leaks/nights, SpO$_2$, pulse rate and desaturation index (w alarms. Report display can be customized by user.	
Screen	Pressures, leaks, RR, tidal volume, minute ventilation, SpO$_2$	Pressure, tidal volume, minute ventilation, respiratory ra
Alarm	• Apnea, patient disconnection • Low minute ventilation, low tidal volume (AVAPS only)	Patient disconnection, apnea, low minute ventilation, low tidal volume (AVAPS only), high respiratory rate

	BiPAP A40	**Trilogy100 and Trilogy200**
	Chronic respiratory insufficiency patients, non-invasive and invasive ventilation. Adult or pediatric (patient > 10 kg)	Chronic respiratory insufficiency patients, invasive and non-invasive ventilation (adults and pediatrics > 5 kg)
	CPAP, S, S/T, PC, T, AVAPS-AE	• Volume modes: AC, CV, SIMV • Pressure modes: CPAP, S, S/T, PC, T, PC-SIMV, AVAPS-AE
	• Digital Auto-TRAK • Sensitive Auto-TRAK (for pediactrics and low inspiratory drive patients • Ajustable AVAPS (Hybrid ventilation that automatically adjusts the inspiratory pressure to ensure a pre-set averaged tidal volume, with the option of controlling the velocity of the pressure variation) • AVAPS-AE: ventilation mode with automatic EPAP, automatic pressure support, automatic backup rate.	Digital Auto-TRAK Sensitive Auto-TRAK Adjustable AVAPS AVAPS-AE Passive volume mode MPV mode (mouth piece ventilation)
	Same as A30 with a maximum pressure up to 40c mH_2O and RR up to 40 bpm AVAPS-AE settings: AVAPS rate 0,5 to 5 cmH_2O, Target Vt 200 - 1500 ml, maximum pressure 6 to 40 cmH_2O, maximum pressure support 2 to 36 cmH_2O, EPAPmax 4 to 25 cmH_2O, EPAPmin 4 to 25 cmH_2O, backup rate auto / 0 to 40 bpm	• IPAP: (4 - 50 cmH_2O) • EPAP: 0 - 25 cmH_2O in active circuit 4 - 25 cmH_2O in passive circuit • Pressure support: 0 - 40 cmH_2O • Tidal volume: 50 - 2000 ml • Breath rate: Up to 60 BPM
breath rate, minute ventilation, residual events indices: ventilation, % large leaks/nights, SpO_2, pulse rate and		DirectView software Up to 72 hours ventilation waveforms, short and long term trends, compliance, pressures, tidal volume, % patient triggered breath, breath rate, minute ventilation, residual events indices: AH, CA, A, FL, VS, % PB/night, average breath rate, average triggered breaths, average minute ventilation, % large leaks/nights, SpO_2, pulse rate and desaturation index (when SpO_2 kit connected during therapy) and alarms. Report display can be customized by user.
trends, compliance, pressures, tidal volume, % patient PB/night, average breath rate, average triggered dex (when SpO_2 kit connected during therapy) and		
tory rate, leak, I/E ratio, SpO_2		Pressure, tidal volume, minute ventilation, respiratory rate, mean airway pressure leak, I/E ratio, SpO_2
	Patient disconnection, apnea, low minute ventilation, low tidal volume (AVAPS only), high respiratory rate, low leak alarm	Circuit disconnect, apnea, high tidal volume, low tidal volume, high min vent, low min vent, high RR, low RR

	Airway Clearance			

CoughAssist E70

EverFlo

	CoughAssist E70		EverFlo
Target patients	Any patient with an ineffective ability to cough (peak cough flow < 270 L/min)	**Target patients**	Stationary concentrator - For patients requiring long-term oxygen therapy at home
Modes	Automatic and manual timing	**Modes**	Continuous flow
Algorithm and technology	Principle: Deep insufflation from positive pressure followed by a rapid shift to negative pressure, producing a high expiratory flow and simulating a natural cough • Cough-Trak: triggering feature in auto mode to allow the patient to trigger a full cough upon every inspiration • Oscillations: oscillatory vibrations applied to the airways on top of the insufflation and/or exsufflation phases	**Characteristics**	• Oxygen purity: 93% +/- 3% • Weight: 14 kg • Sleek and compact design
Settings	• Presets: 1, 2, 3 • Positive pressure from 0 to -+70 cmH$_2$O • Negative pressure from 0 to -70 cmH$_2$O • Timing (inhale, exhale, pause): 0 to 5 sec. • Inhalation flow: Low / Medium / High • Cough-Trak: ON / OFF • Oscillations: Off/inhale/exhale/both - amplitude (1 to 10 cmH$_2$O) and frequency (1 to 20 Hz)	**Settings**	0,5 - 5LPM 0,1 - 1LPM with pediatric flowmeter
Data management	• Internal memory (up to 6 days of waveforms) • SD card therapy data via DirectView software: • 1 year daily details and waveforms on pressure, Vti, flow, SpO$_2$ and pulse. • 1 year of trends on peak cough flow and Vti. • Compliance, pattern of usage, statistics, prescription history	**Maintenance**	• No patient maintenance • Inlet filter change every 2 years • Bacteria filter change per provider policy
Screen	Pressure, timing, peak cough flow, Vti, SpO$_2$/HR only in standby mode.	**Alarm**	• Low oxygen concentration - <82% • Very low oxygen concentration - <70% • Technical fault
Alarm			

	SimplyGo	UltraFill
	Portable concentrator - For patients requiring long-term oxygen therapy on the go	**Home oxygen filling system - For patients requiring long-term oxygen therapy on the go**
	Continuous flow or pulse flow	Continuous flow or pulse flow depending on cylinders' type

	• Oxygen purity: 87 - 96%
	• Weight: 4.5 kg
	• Autonomy:
	  - Pulse 2: 3h (20 BPM)
	  - Continuous flow 2LPM: 54 minutes
	• FAA approved for airline travel
		• Oxygen purity: 93% +/- 3%
		• Weight - 4 cylinders types
		  - With integrated regulator for continuous flow: 1L cylinder: 2,0 kg, 2L cylinder: 3,3 kg
		  - With integrated oxygen conserver for continuous and pulse flow: 1L cylinder: 2,3kg, 2L cylinder: 3,5kg
		• Autonomy: 1L cylinder:
		  - Continuous flow 2: 1h 42min
		  - Pulse mode 2 (20 BPM): 5h 7min
		  2L cylinder:
		  - Continuous flow 2: 3h 24min
		  - Pulse mode 2 (20 BPM): 10h 14min

	• Continuous flow: 0,5 - 2LPM
	• Pulse flow: settings 1 - 6
	• Night mode: settings 1 - 6 with continous flow back of 2LPM
		• Cylinder with intergrated regulator: 1 - 6LPM
		
		• Cylinder with integrated oxygen conserver:
		  - Continous flow from 0,25 to 4,5 LPM
		  - Pulse settings 1 - 6

y	• No preventive maintenance	• No preventive maintenance on the UltraFill
%	• No breath alarm • Low oxygen concentration • Low/depleted battery • Technical fault	• Low or high pressure fault • O_2 purity issue • Transfer tubing issue • System fault

Patient interface

Minimal contact

GoLife

Easy to fit, easy to use, easy to clean
- Lightweight and few parts
- Clear line of sight
- For him and for her
- Available in 3 sizes

OptiLife

2-in-1 minimal contact solution
- A unique non-intrusive solution
- Combo Pack with 2 cushion alternatives (pillows and cradle cushions)
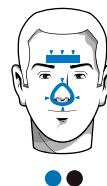- Easy to fit
- Lightweight

Nasal masks

TrueBlue

Gel nasal mask with Auto Seal
- Premium blue gel technology
- Auto-adjusting features for personalized fit
- High comfort, seal and stability
- Available in 5 sizes

Wisp

Delivers a combination of comfort, performance, and, yes, style
- Compact design for a natural fit
- Soft and comfortable for a restful night's sleep
- Open field of vision for a feeling of independence
- Quick and easy to adjust for a superior seal and personalized fit
- Contemporary frame options to complement your style
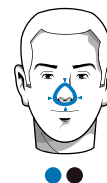
Full face masks

Amara

Performance, appeal and simplicity
- Small and lightweight
- Modular design with 'one click' cushion assembly
- Fine-glide forehead adjuster for fine tuning seal and fit
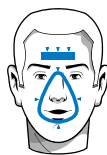- Only 4 parts for quick assembly
- Available in 4 sizes
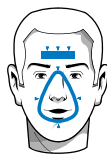
ComfortGel Blue Full

Providing a comfortable seal with even pressure distribution
- Premium blue gel technology
- Replaceable cushion with SST (Sure Seal Technology) flap
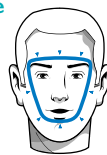- Quick release tubing system
- Available in 4 sizes

Total face masks

FitLife

The positive full-face experience
- Large and clear line of vision
- Integrated soft silicone over-molded cushion
- Premium Headgear with EZ Peel tabs and snap clips
- Available in 3 sizes

● SE version (no exhalation port) available ● With exhalation port

SDB screening and diagnostic

Screening
RUSleeping

Features:
- Quickness
- On-screen visual status indicator
- Nine-hour recording time
- Error detection capability
- Reliable (92% sensitivity)

Polygraphy and PSG
Alice PDx

Superior performance:
- Good study indicator
- Auto start/stop by date and time
- 20-24h battery

Easy:
- LCD interface for patient
- Confirm electrode connection
- Patient guide and video

Versatile:
- ECG option
- ExG option for sleep scoring
- High feature interface to Philips Respironics therapy devices

Inlab PSG
LDe (basic), LDxS (Advanced Sleep)
and LDxN (Neuro)

Features:
- Differential pressure sensor
- 3 Chin lead with auto re-reference,
  integrated ezRIP technology and
  Masimo oximetry
- 32 channel EEG Neuro module
  available

Sleepware G3:
- Upgraded design: improved security,
  workflow design,
- Upgraded features: fully customizable
  workspaces and reports, real-time
  impedance check and integrated
  database
- Direct connection possible with all
  Philips Respironics Sleep Therapy and
  NIV devices

**A complete quality sensor
range compatible with
most diagnostic systems
of the market**

ProTech:
- Our sensors help you
  meet AASM standards.
- All our devices are either
  available in adult or
  pediatric sizes.
- New website:
  www.pro-tech.com

EncorePro and DirectView: for management performance

EncorePro 2

Encore software allows you to manage your patients more efficiently, thanks to its data downloading capability, compliance reporting and quick patient summary.

- Notifications and tracking for critical patients
- Secured database
- Easy-to-use navigation system
- Patient reminders and follow up
- Prescription changes
- Questionnaires (FOSQ 30 and Epworth)
- Quick trend and detailed therapy reports
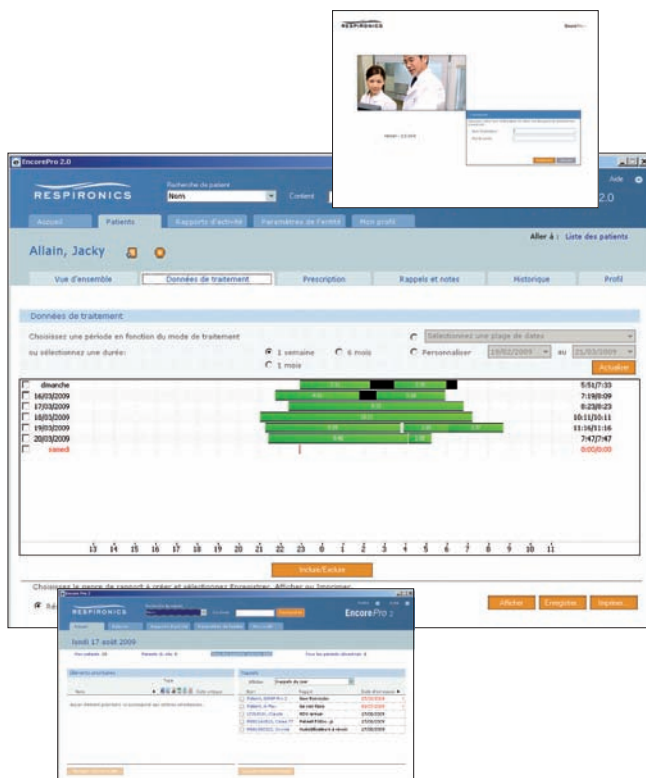
DirectView

DirectView ventilation management software offers a detailed view of
ventilation data for improved patient care and enhanced clinical evaluation.

• DirectView offers a complete set of reports:
• 72 hrs breath-by-breath waveforms data
• Short and long-term trends analyses
• Statistics and patterns of usage
• Fully customizable reports
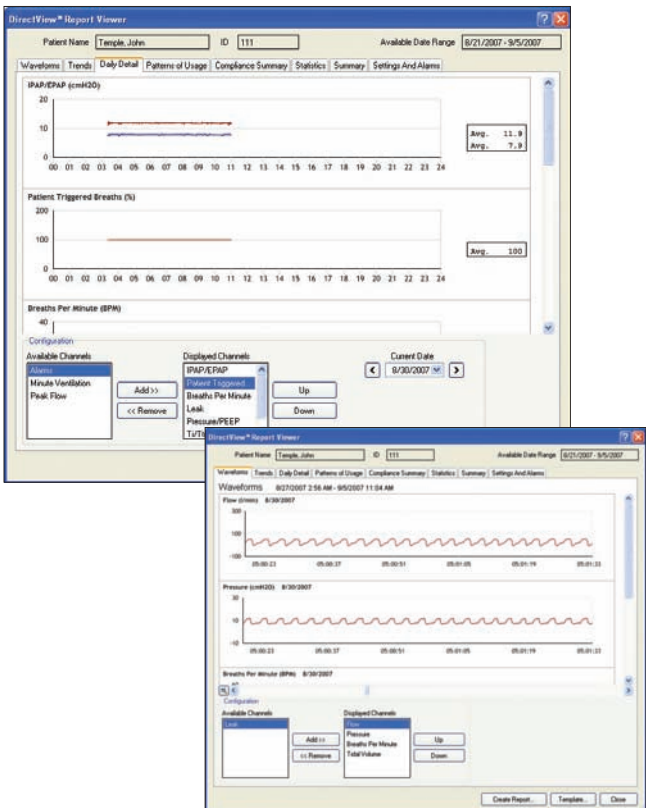
Philips Healthcare is part of Royal Philips

How to reach us

www.philips.com/healthcare
healthcare@philips.com

Asia
+49 7031 463 2254

Europe, Middle East, Africa
+49 7031 463 2254

Latin America
+55 11 2125 0744

North America
+1 425 487 7000
800 285 5585 (toll free, US only)

Philips Respironics
1010 Murry Ridge Lane
Murrysville, PA 15668 USA

Customer Service
+1 724 387 4000
800 345 6443 (toll free, US only)

Philips Respironics Asia Pacific
+65 6882 5282

Philips Respironics Australia
+61 (2) 9947 0440
1300 766 488 (toll free, Australia only)

Philips Respironics Benelux
+33 1 47 28 30 83

Philips Respironics China
+86 400 828 6665
+86 800 828 6665

Philips Respironics Deutschland
+49 8152 93 06 0

Philips Respironics France
+33 2 51 89 36 00

Philips Respironics Iberia
+34 91 566 90 00

Philips Respironics Italy
+39 039 203 1

Philips Respironics Sweden
+46 8 120 45 900

Philips Respironics Switzerland
+41 6 27 45 17 50

Philips Respironics United Kingdom
+44 800 1300 845

www.philips.com/respironics

PHILIPS