



iCH series

Continuous Positive Airway Pressure

Providing comfortable and flexible therapy modes, the iCH series CPAP system with its stylish and attractive design is the perfect partner to support you and your prescribed treatment goals. The integrated heated humidifier provides comfortable, quiet and reliable therapy and for people on the move, this CPAP therapy system is lightweight, compact and very sleek. The iCH is a CPAP that doesn't look like a CPAP; its elegant design allows you to place it anywhere in your home.

Care for a Healthy Life

APEX



Holistic Healthcare Formula

[Compliance]³+ [Elegance]=Lifestyle

The launch of the iCH series CPAP by Apex introduces a modern and exciting concept: The Holistic Healthcare Formula [Compliance]³+ [Elegance]=Lifestyle

[Compliance]³

An alternative definition to enhance the improvement of CPAP therapy and improve the patient's well-being is no longer a myth. Upholding the advancement of patient's lifestyles and improving clinical conditions, iCH compliance technology has:

1. Stable and precise pressure output
2. PVA pressure relief technology
3. Efficient humidification delivery

[Elegance]

The iCH CPAP system has been designed to merge effortlessly into your life and your home. Stylish and aesthetically appealing, iCH CPAP therapy promotes psychological and social confidence in the provision of effective therapy.

Simple and functional when delivering compliance; iCH enhances all aspects of the Holistic approach, enabling freedom in lifestyle and improved quality of life.

iCH Integrated CPAP with Heated Humidifier

- Anti back-flow mechanism preventing water spillage.
- SD card and USB connection for data retrieval.
- Enhanced algorithm for improved compliance.
- Stylish, high-quality design.
- Lightweight and compact.
- Extremely quiet and discreet.



Features Overview

Model	iCH Sense	iCH Prime	iCH Auto
Auto-Adjusting Pressure	—	—	●
PVA Pressure Relief	—	●	●
Compliance Information on Display	—	●	●
Efficacy Reporting (AHI, Leak)	—	●	●
Compliance Hours Reporting	●	●	●
Leak Compensation	●	●	●
Low Pressure Alarm	●	●	●
Dual Downloading Ports (SD cards & USB cable)	●	●	●
Auto Altitude Adjustment	●	●	●
Clock/Alarm Function	●	●	●
Easy Gateway Adapter(Compatible)	—	●	●

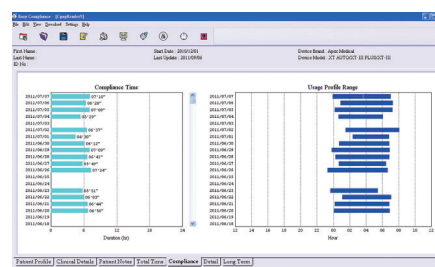
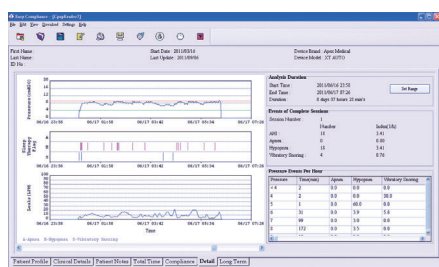
Easy to use

- Compliance information on display
 - » Statistics Period (Last night, 7 days, 30days, 90 days)
 - » Total compliance hours , Average compliance hours per day , Compliance Days>4hrs, AHI , Average pressure, Average leak rate
- Hidden handle for easy pick-up and carry

Easy Compliance Software: meeting the demands for Retrieving Comprehensive Sleep Data

The SD card is a simple, secure and effective way to access patients' compliance and data. Retrieving the patient's recorded sleep data is simple and efficient. The Easy Compliance Software produces comprehensive reporting and mapping information for clinicians and home care providers to understand the needs of their patients.

Efficacy and usage compliance data are key factors in determining therapy solutions. The Apex XT series CPAP has been designed to provide an easy-to-use interface for the professional, which will improve patient outcomes, communicate the benefits of this clinically effective technology and reduce follow-up costs.



Specifications

Model	iCH Sense/iCH Prime/iCH Auto
Pressure Range (cmH ₂ O):	4.0 - 20.0 (0.5 cmH ₂ O increment)
Ramp Time (min):	0-45 (5 min increment)
Ramp Starting Pressure (cmH ₂ O):	4.0 to Therapy pressure (0.5 cmH ₂ O increment)
Data Storage:	730 summary sessions 18 detailed sessions (not available for iCH Sense)
Sound Level:	≤28 dBA
Humidification:	Patient-adjustable; 6 settings
Water Capacity:	300 ml
Dimensions (W x D x H):	6.5" x 7.8" x 6.9" (16.5 cm x 19.7 cm x 17.4 cm)
Weight:	2.51 lbs (1.14kg)
Power Supply:	AC: 100V-240V, 50/60Hz, universal power supply DC: 24V
Operating Range:	+5 °C to +35 °C (+41 °F to +95 °F) ; 15% to 95%RH non-condensing
Storage Range:	-15 °C to +50 °C (+5 °F to +122 °F) ; 10% to 90%RH non-condensing
EN60601-1 Classification:	Class II, Type BF, IP21, IEC 60601-1-2 EMC Compatibility

*Measured in accordance with ISO 17510 & ISO 8185

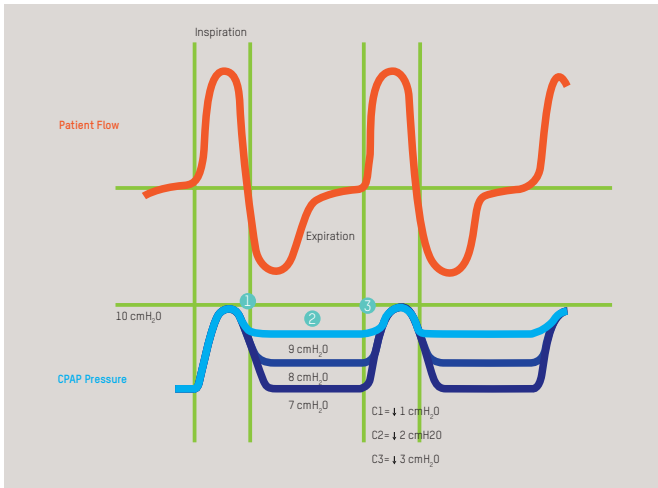
*Pressure stability and humidity output specifications in compliance with German Heil & Hilfsmittel Verzeichnis

Ordering Information (For North America Only)

REF No.	Product Descriptions	Accessories
SF07109	iCH Auto and SD card	SH00002 Water chamber
SF06109	iCH Prime and SD card	SF00001 6' CPAP Tubing
SF05109	iCH Sense and SD card	SF00002 SD card

PVA Pressure Variation Algorithm

The PVA Pressure Variation Algorithm is a technology designed to provide relief to patients who experience CPAP pressure discomfort by reducing pressure at the start of exhalation and return to the prescribed pressure at the commencement of inhalation. Pressure can be reduced by three different level settings, allowing the delivery of prescribed pressure at a time when the patient needs it most without compromising comfort and compliance. The PVA technology is available on CPAP and APAP modes.



- ① Reduce pressure during the transition from Inspiration to Expiration.
- ② Maintain lower pressure level (depending on the PVA setting) during Expiration phase.
- ③ Return to therapeutic pressure in the end of Expiration phase.

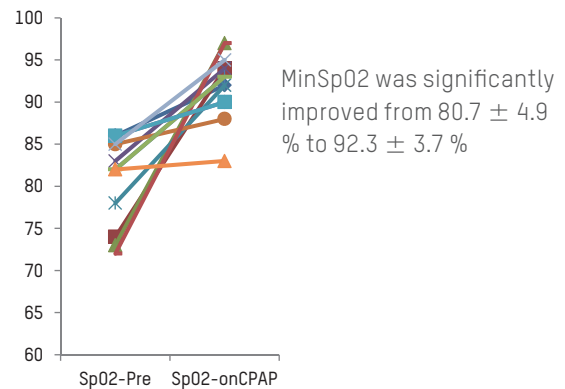
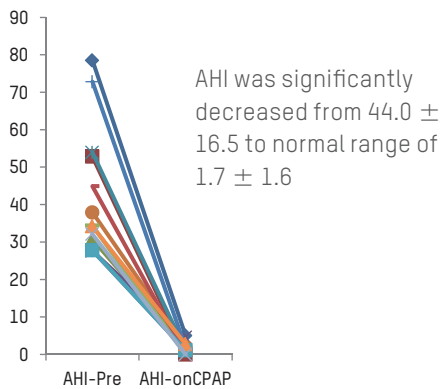


PVA and apnea detection

In order to ensure the effectiveness of CPAP therapy, PVA will be automatically suspended if apneas are detected. After apneas disappear, PVA will re-start.

Effective Auto Algorithm: Reduce AHI & Improve SpO₂ via strict clinical proof

* Koji Narui, et al., ASRS. 2012. Sleep Center, Toranomon Hospital, Tokyo, Japan



Easy assembly and disassembly of the water chamber with a simple hook and lock design



Clear backlit LCD display and intuitive user interface for easy operation



Small footprint to be easily packed into carry-on luggage

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