

# Introducing the new Z1 Auto™



The new Z1 Auto™ builds on the original Z1 platform and delivers the world's smallest, lightest, most integrated auto-cpap. By incorporating an auto-cpap algorithm, the Z1 Auto™ offers *a more natural breathing experience* while delivering treatment at lower overall pressures.

## Why prescribe APAP?

Fixed pressure cpap always delivers treatment at a fixed setting whether the patient is inhaling or exhaling. This often leads to patient discomfort. With auto-cpap the device delivers pressure according to the patient's needs by assessing the pressure requirement for each specific apnea event. The result is a better patient experience and lower overall pressures during treatment.

## Best Practices in Prescribing APAP to CPAP Users

The new Z1 Auto™ is an auto-cpap machine that requires a prescription that **explicitly states both minimum and maximum pressure settings**. It is common practice in the sleep industry to use a simple protocol for converting a fixed-pressure cpap prescription to an auto-cpap/APAP prescription. Using this method will typically result in an ideal treatment scenario.

**To adjust a fixed-pressure prescription to APAP:** Take the patient's fixed setting and set the minimum/maximum pressures and +/- 4cmH2O. For instance, if the prescribed fixed pressure setting is 8 cmH2O, the minimum prescribed setting would be 4cmH2O and the maximum prescribed setting would be 12cmH2O. On the prescription itself the settings would be reflected as seen below:

MIN: 4CM / MAX: 12CM

OR

MIN: 4CMH2O / MAX: 12CMH2O

### General

30W Power Adapter	Power Partners Model PEAM D305F-13-B1 – Unit Input range 100–240V, 50–60Hz – Typical power consumption 20W (30VA) – Maximum power consumption 35W (70VA)
Operating temperature	41°F to 95°F (+5°C to +35°C)
Operating humidity	10–95% non-condensing
Operating altitude	Sea level to 8,000' (2,591 m)
Operating atmospheric pressure	101 to 75.3 kPa
Storage and transport temperature	-4°F to 140°F (-20°C to +60°C)
Storage and transport humidity	10–80% non-condensing
Storage and transport altitude	No limit
Storage and transport atm. pressure	No limit
Electromagnetic compatibility	Compatible with IEC 60601-1-2
IEC 60601-1 classification	Class II (double insulation), Type BF
Available Modes	Standby, CPAP, AUTO-CPAP

### Z1™ Auto Technical Specifications

CPAP- Operating pressure range	4 to 20 cm H <sub>2</sub> O
APAP- Operating pressure range	4 to 20 cm H <sub>2</sub> O
Ramp Start Pressure	Min: 4 / Max: 20 cm H <sub>2</sub> O
Ramp Time	Min: 0 / Max: 45 minutes
Maximum single fault steady pressure state	30 cm H <sub>2</sub> O
Deliverable pressure accuracies	±0.6 cm H <sub>2</sub> O ± 4% of the measured reading
Sound pressure level	≤ 26 dBA *
Nominal dimensions (L x W x H)	6.3"L X 3.5" X 2.1"H
Weight	7.0 lbs
Housing construction	Flame retardant engineered thermoplastic
Supplemental oxygen	Not for use with oxygen.
Standard air filter	Polyester fiber
Air outlet	The 22 mm conical air outlet complies with ISO 5356-1

\* DECLARED DUAL-NUMBER NOISE EMISSION VALUES in accordance with ISO 4871

## Z1 Clinician User Guide

The Z1 Auto Clinician User Guide contains step-by-step information on how to program the Z1 Auto. To receive the Clinician User Guide for the Z1 or the Z1 Auto, please send an email to [hdmsupport@hdmusa.com](mailto:hdmsupport@hdmusa.com) with the subject: '*Z1 Clinician User Guide*'. Please note that the guide is only for medical professionals and cannot be distributed to patients.

To find out more about the Z1 Auto™, visit us at [www.hdmusa.com](http://www.hdmusa.com)



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