



ZEN-O LITE™ WITH RRT PORTABLE OXYGEN CONCENTRATOR



Zen-O lite™ portable oxygen concentrator offers reliability, flexibility and supports active lifestyles of patients requiring oxygen therapy.

Zen-O lite™ features breath sensitivity and Rate Responsive Therapy™ (RRT) that automatically adjusts to the patient's demand.

RATE RESPONSIVE THERAPY™ (RRT)

Zen-O lite™ delivers oxygen on demand which is triggered by the patient's inhalation. Whether a patient is climbing the stairs or taking a walk, Zen-O lite™ will automatically respond to the breath rate by adjusting the amount of oxygen needed to ensure the patient remains saturated.



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ZEN-O LITE™

FEATURES AND BENEFITS

PULSE MODE, UP TO 1050 ML

Zen-O lite™ delivers up to 1050 ml of oxygen per minute in pulse mode and is adjustable in 0.5 increments up to setting 5.

SIMPLE AND EASY TO USE

Zen-O lite™ has easy to understand intuitive buttons and LCD panel for straight forward operation.

ECO MODE

The Eco Mode feature allows users to switch the operation of the device from Rate Responsive to Fixed Minute Volume for longer battery duration.

AUTO MODE

The Auto Mode feature activates after 60 seconds if no breath is detected. The device will automatically deliver pulses at a rate of 18 breaths per minute to the user. This feature allows users to continue receiving some oxygen if the cannula is dislodged.

LIGHTWEIGHT

Weighing just 5.5 lbs, Zen-O lite™ can be used in the comfort of a patient's home and is ideal for use outside the home. Zen-O lite™ offers unequalled independence and flexibility to patients that require supplemental oxygen therapy.

EASILY REPLACEABLE SIEVE BEDS

Zen-O lite™ has been designed with sieve beds that can be replaced easily by most home oxygen providers without the need to return the device to the factory.

BREATH DETECTION INDICATOR

replaced easily by most home oxygen providers without the need to return the device to the factory.

CLARITY CONNECTED CARE

With Clarity enabled Zen-O lite POC, home oxygen providers and healthcare professionals can offer next generation care to oxygen patients. Clarity enabled Zen-O lite POCs and access to the Clarity platform are optional extras that provide various data points such as, device usage history, device notifications and much more.

WARRANTY

Zen-O lite™ is built to last and is supplied with a 3 year warranty.***
Warranty of all Zen-O lite sieve bed modules is limited 1 year.

Technical Data

Size (WxDxH)	9.8" × 3.8" × 9.25" (249 mm × 97 mm × 235 mm)
Weight	5.5 lbs (2.5 kg) without carry bag
Power requirements	AC adaptor: 100-240V AC (+/- 10%) 50-60 Hz in, 24V DC, 5.0A out
	DC adaptor: 11.5 - 16V DC in, 24V, 5.0A out
Purity	87% - 96% at all settings
Max oxygen discharge pressure	20.5 psi
Inspiratory trigger sensitivity	-0.12cm/H2O
Humidity range	5% to 93% ± 2% non-condensing
Operating altitude	0' to 13,000' (0m to 4,000m)
Operation temperature	41°F (5°C) and 104°F (40°C)
Storage temperature	-4°F (-20°C) and 140°F (60°C)
Setting	Adjustable in 0.5 increments from 1.0 to 5.0
Noise level	37 dB(A)*
Battery duration	Approx. 5hours 45minutes

*At pulse setting 2.

Battery discharge intervals

Setting	Approx. Battery Life for 1 Battery (Hours:Minutes)
Pulse 1.0**	5:45
Pulse 2.0**	4:15
Pulse 3.0**	2:45
Pulse 4.0**	2:00
Pulse 5.0**	1:30

**Battery run time above are estimates based on 18 bpm.

Part Numbers

Zen-O lite™ portable oxygen concentrator with one battery	RS-00608-X-S
Zen-O lite™ portable oxygen concentrator with two batteries	RS-00608-X-D
Zen-O lite™ portable oxygen concentrator with Clarity - 1 battery	RS-00608C-X-S
Zen-O lite™ portable oxygen concentrator with Clarity - 2 batteries	RS-00608C-X-D
Zen-O lite™ rechargeable battery	RS-00601
Zen-O lite™ AC power supply with US cord	RS-00604
Zen-O lite™ DC power supply	RS-00605
Zen-O lite™ carry bag	RS-00606
Zen-O lite™ replacement sieve beds	RS-00616
Zen-O lite™ cannula wrench	RS-00544
Zen-O lite™ rucksack	RS-00619
Zen-O lite™ cannula filter pk of 10	RS-00512
Zen-O/lite™ single external battery charger US	RS-00515
Accessories bag	RS-00523
Zen-O/lite™ dual external battery charger US	RS-00530

Each Zen-O lite™ comes with a carry bag, battery, user manual, and AC/DC power cords.

GET IN TOUCH

Please visit <https://www.ohiomedical.com> for more information about Zen-O lite™ as well as our larger capacity device Zen-O™.

Contact us on: **1-866-549-6446**
or email poc.orders@ohiomedical.com



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***Refer to GCE limited warranty policy for more details



ZEN-O™ WITH RRT PORTABLE OXYGEN CONCENTRATOR



Zen-O™ is a best in class portable oxygen concentrator with pulse and continuous oxygen delivery modes for active patients requiring oxygen therapy.

Zen-O™ features breath sensitivity and Rate Responsive Therapy™ (RRT) that automatically adjusts to the patient's demand.

RATE RESPONSIVE THERAPY™ (RRT)

Zen-O™ delivers up to 2 liters of oxygen per minute in response to the patient's need. Unlike other devices that deliver a fixed amount of oxygen, Zen-O™ automatically increases the amount of oxygen delivered if a patient's breath rate rises.



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FEATURES AND BENEFITS

DUAL FLOW MODE

Zen-O™ Portable Oxygen Concentrator (POC) offers patients the best of both worlds. Patients can alternate between continuous flow and pulse mode oxygen therapy.

SIMPLE AND EASY TO USE

Zen-O™ is designed with patients in mind, it is simple to use with intuitive button operation and LCD display.

ECO MODE

The Eco Mode feature allows users to switch the operation of the device from Rate Responsive to Fixed Minute Volume for longer battery duration.

AUTO MODE

The Auto Mode feature activates after 60 seconds if no breath is detected. The device will automatically deliver pulses at a rate of 18 breaths per minute to the user. This feature allows users to continue receiving some oxygen if the cannula is dislodged.

EASILY REPLACEABLE SIEVE BEDS

Zen-O™ has been designed with sieve beds that can be replaced easily by most home oxygen providers without the need to return the device to the factory.

WARRANTY

Zen-O™ portable oxygen concentrator is supplied with a 3 year or 15,000 hours device warranty.***

Warranty of the sieve bed assembly supplied in the device is limited to 2 years or 15,000 hours.

CLARITY CONNECTED CARE

With Clarity enabled Zen-O™ POC, home oxygen providers and healthcare professionals can offer next generation care to oxygen patients. Clarity enabled Zen-O™ POCs and access to the Clarity platform are optional extras that provide various data points such as, device usage history, device notifications and much more.



GET IN TOUCH

Please visit <https://www.ohiomedical.com> for more information about Zen-O™ as well as our smaller lighter device Zen-O lite™.

Contact us on: **1-866-549-6446**
or email poc.orders@ohiomedical.com

Technical Data	
Size (WxDxH)	8.3" × 6.6" × 12.3" (212 mm × 168 mm × 313 mm)
Weight	10.27 lbs (4.66 kg) with one battery
Power requirements	AC adaptor: 100-240V AC(+/- 10%) 50-60 Hz in, 24V DC, 6.25A out
	DC adaptor: 11.5 - 16V DC in, 19V, 7.9A out
Purity	87% - 96% at all settings
Max oxygen discharge pressure	20.5 psi
Inspiratory trigger sensitivity	-0.12cm/H2O
Humidity range	5% to 93% ± 2% non-condensing
Operating altitude	0' to 13,000' (0m to 4,000m)
Operation temperature	41°F (5°C) and 104°F (40°C)
Storage temperature	-4°F (-20°C) and 140°F (60°C)
Setting	Adjustable in 0.5 increments. 1.0-6.0 in pulse mode and 0.5-2.0 in continuous mode.
Noise level	38 dB(A) tested to Prüfmethode 14-1 03/2007 MDS-Hi and 42 dB(A) tested to ISO 3744*
Alarm types	Low oxygen purity, No breath detected, Low battery and Service required
Battery duration	Up to 9 hours 40minutes with 2 batteries at 18 BPM

*At pulse setting 2.

Battery discharge intervals		
Setting	Approx. Battery Life 1 Battery (Hours:Minutes)	Approx. Battery Life 2 Batteries (Hours:Minutes)
Pulse 1.0**	4:50	9:40
Pulse 2.0**	4:30	9:00
Pulse 3.0**	2:30	5:00
Pulse 4.0**	2:00	4:00
Pulse 5.0**	1:40	3:20
Pulse 6.0**	1:20	2:40
Cont. 0.5	3:00	6:00
Cont. 1.0	1:30	3:00
Cont. 2.0	0:45	1:30

**Battery run time above are estimates based on 18 bpm.

Part Numbers	
Zen-O™ portable oxygen concentrator with 2 batteries	RS-00502-X-D
Zen-O™ portable oxygen concentrator with Clarity - 2 batteries	RS-00502C-X-D
Zen-O™ battery 8 cell	RS-00501
North America cord - excludes power supply	RS-00503
Europe cord - excludes power supply	RS-00504
UK cord - excludes power supply	RS-00506
Zen-O™ carry bag	RS-00509
Zen-O™ cart	RS-00507
Zen-O™ DC adapter	RS-00508
POC filter wrench	RS-00544
POC cannula filter pk of 10	RS-00512
Sieve bed assembly	RS-00513
Zen-O™ single external battery charger US	RS-00515
Zen-O™ AC power supply with US cord	RS-00522
Accessories bag	RS-00523
Zen-O/lite dual external battery charger US	RS-00530
Humidifier Bag	RS-00533
Zen-O backpack	RS-00536

*Each Zen-O™ device comes with a carry bag, pull cart, battery, and AC/DC power cables.



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M50 STATIONARY OXYGEN CONCENTRATOR



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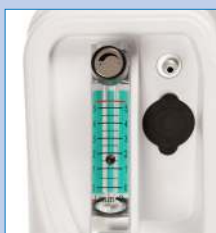
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M50 Oxygen Concentrator

The lightweight, ergonomically designed M50 oxygen concentrator makes life simpler for patients that require Long Term Oxygen Therapy (LTOT). The M50 delivers high concentration of oxygen with flow rates of up to 5 litres per minute. Featuring a compact design, the M50 is easy to move, store and maintain - with just one minute needed to replace any part to be maintained by the user. It also comes with an integrated oxygen sensing device for monitoring oxygen purity levels, and a low oxygen purity alarm to alert the patient if there is low oxygen supply.

- **Lightweight** - a mere 33lbs
- **Quiet operation**
- **Sleek, compact design** for easy handling
- **Adjustable flow rate** up to 5 litres per minute
- **Fire safe oxygen outlet port** for added safety
- **Low oxygen purity alarm**
- **Compatible** with various bubble humidifiers
- **Three year warranty**



Flowmeter



Two stage paper filter



Air filter (Located behind the cover)



Technical Data

Delivery Rate	0.5 - 5 L/min
Flow Mode	Continuous
Oxygen Concentration	87 - 96%
Weight	33 lbs
Dimensions	600 H x 390 W x 230 D mm
Outlet Pressure	0.05 +/- 10% MPa
Power requirements	110 - 120v/60Hz
Sound Level	42 dBA
Operating Environment	10 - 37 (°C)
Equipment Class	Class IIa
Humidity Range	15% - 95%
Oxygen Purity Alarm	Low oxygen: 82%
Additional Functions	Metal oxygen outlet for fireproofing

Part Numbers

M50 Oxygen Concentrator with USA plug	304051011
Bacteria Filter	14090328
Air filter	501150007
Two Stage Paper filter	501010261
M50 air intake vent cover	501010407
M50 paper filter access panel	411340026
M50 paper filter housing	501010191

ZEN-O™ AND ZEN-O LITE™ PORTABLE OXYGEN CONCENTRATORS (POCs)

Rate Responsive Therapy (RRT)



- › Sensitive breath detection technology
- › Rapid oxygen delivery for optimum therapy
- › Keep your patients better saturated with RRT

Efficient. Effective. Clinically Sound.

RATE RESPONSIVE THERAPY (RRT)

Zen-O™ and Zen-O lite™ portable oxygen concentrators (POCs) from GCE Healthcare provide optimum oxygen therapy by delivering a constant bolus of oxygen and up to twice as much oxygen than of some other POCs at setting 2 in pulse mode.

CONSTANT PULSE OXYGEN DELIVERY

GCE Healthcare's Rate Responsive Therapy (RRT) technology in the Zen-O™ and Zen-O lite™ POCs delivers a constant bolus of oxygen and automatically responds to the increase or decrease of a patient's breath rate.

Some other POCs deliver a fixed volume of oxygen per minute (fixed minute volume) at a selected pulse mode setting. This means that the bolus size may be reduced or the unit can skip breaths at higher breath rates. To compensate the user would have to increase the setting on the POC or the POC is forced to deliver oxygen intermittently (skipping breaths).

An independent study showed that POCs with fixed minute volume reduce the bolus of oxygen delivered, and therefore the FiO_2 delivered per breath decreases.

"the most important finding from a standpoint of clinical application, is that oxygen delivery for all POCs in this study decreased as the breathing frequency increased."¹

The Zen-O™ and Zen-O lite™ POCs were not included in this study.

Benefits of Rate Responsive Therapy:

- Zen-O™ and Zen-O lite™ keep patients saturated even at high breath rates*
- No need to change the device settings in advance of increased physical activity

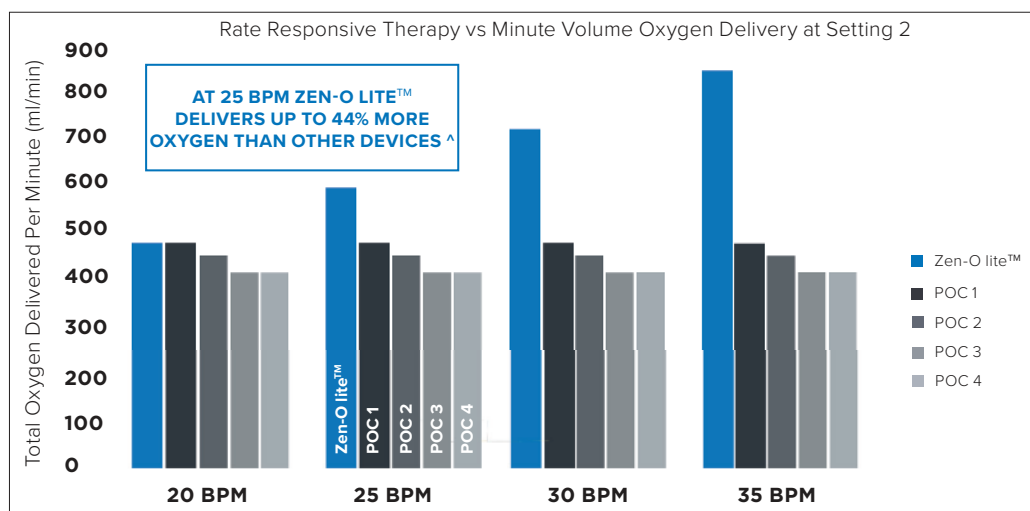
RATE RESPONSIVE THERAPY VS FIXED MINUTE VOLUME

Rate Responsive Therapy

- RRT automatically delivers a variable amount of oxygen - providing more or less oxygen as the patient's demand changes
- Bolus size is constant regardless of the breath rate*
- Does not skip breaths
- Delivers more oxygen per minute if the breath rate increases
- FiO_2 levels are maintained as breath rate increases
- RRT automatically adjusts to the needs of the patient, delivering more or less oxygen as the patient's breath rate changes.

Fixed Minute Volume

- Delivers a fixed volume of oxygen at a selected setting in one minute irrespective of the breath rate
- Oxygen volume is divided into smaller boluses at higher breath rates
- May skip breaths at higher breath rates
- Patient's FiO_2 declines as breath rate increases
- At higher activity levels the patient is required to increase the pulse setting to maintain the same oxygen delivery volume.



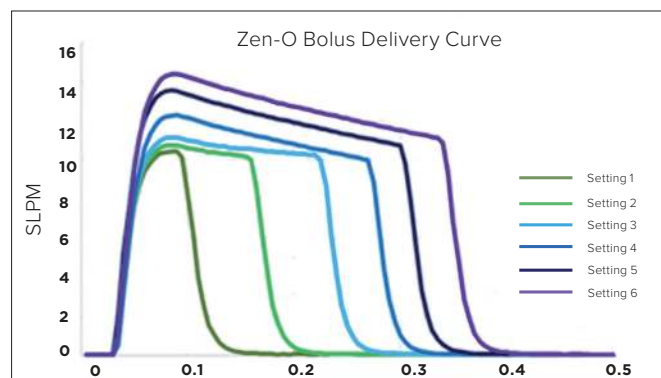
HIGH BREATH SENSITIVITY AND RAPID DELIVERY

At GCE Healthcare we understand that respiratory effort varies between patients, that is why we use very sensitive breath detection technology. With $-0.12 \text{ cm/H}_2\text{O}$ sensing pressure, the Zen-O™ and Zen-O lite™ can meet the needs of shallow-breathing patients.

In addition Zen-O™ and Zen-O lite™ deliver the full dose of oxygen within 0.5 seconds of inspiration, irrespective of the setting selected.

Benefits:

- High sensitivity ensures that patients with shallow breaths can trigger the delivery of oxygen
- Rapid delivery ensures oxygen is delivered to the patient quickly when they need it most

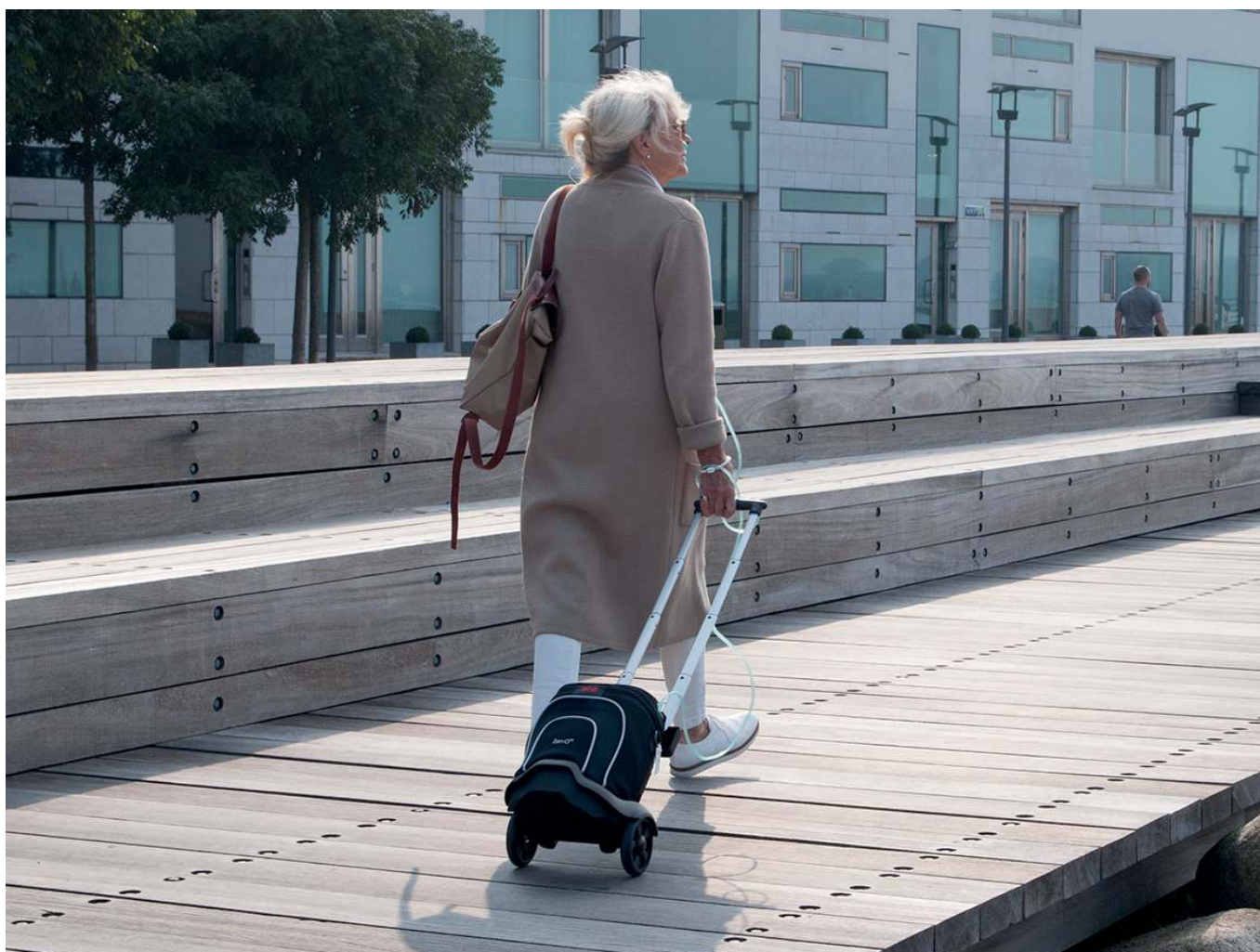


Reference

1. Comparison of Four Under 5 lb. Portable Oxygen Concentrators
Prepared by Strategic Dynamics Inc. March 7, 2013

*Up to 40 breaths per minute

^ Devices compared in GCE's evaluation.



Zen-O and Zen-O lite portable oxygen concentrators (POCs)