Invacare® Platinum® Mobile

Breathe and Move
The Platinum Mobile is the latest truly portable and elegant oxygen concentrator from the worldwide leader in oxygen therapy for more than 30 years, Invacare.

Since the introduction of Invacare’s HomeFill® system in the mid-90’s, we have been at the forefront of oxygen therapy innovation. Now, with the Platinum Mobile concentrator, we are delivering the latest in pulsed flow technology to cover clinical patient needs with 4 individual pulse setting positions. Furthermore the Platinum Mobile has been stylishly designed and features an intuitive interface, bringing simplicity and innovation together in a compact, lightweight, quiet and robust package.

Platinum Mobile key benefits

Patients’ needs have been the key focus at every stage of the Platinum Mobile design, leading to:

- **Durability** for intensive use
- **Clinically efficient** Sensi-Pulse technology
- A **simple, intuitive** interface
- Increased **serviceability** to reduce cost and time

The Platinum Mobile concentrator was built to be the best oxygen partner for more active chronic respiratory insufficiency patients, but also to help minimise the risk factors associated with interstitial lung diseases including prior or concomitant oxygen therapy. The Platinum Mobile aims to provide a ‘breath of new life’ through this high quality medical device and, for professionals, the ability to confidently provide a device which has been rigorously tested, is highly robust and easy to maintain.
Durability and reliability are critical elements to patients, clinicians and providers, which is why Invacare has performed the latest tests, conforming to the most stringent standards. Features include Water Resistance, Impact Protection and Durability in Varily Humidity. Test results for the Platinum™ Mobile showed it is:

**Weather resistant**

What makes it ideal for changing weather conditions?

*Rigorously tested to the latest Water Resistant Standard* \(^1\)

Against 3ml/min dripping water for 10 minutes from 4 different angle positions

**Design features**

- Downward facing ports and vents
- Sealed switches
- Temperature resistant unit
- Protective carry bag

**Impact protected**

What makes it impact protected?

The Platinum Mobile is designed to withstand a shock to the unit through design features like:

- A foam encapsulated compressor
- Reinforced bumpers
- Latch free doors for shock dissipation

**Durable in varying conditions**

**Design features**

- Reduced tubing by over 37% \(^2\) meaning there is less risk of leaks and humidity absorption
- Individual seals on batteries and switches

**Serenity and Peace of mind**

A key objective with the Platinum Mobile was to create a simple and easy to use interface to reduce patient anxiety. Clinical evidence has shown that stress and worry can influence the health of COPD patients \(^3\), so to avoid comorbidity effects and make the Platinum Mobile simple to operate, we have designed an intuitive interface which provides minimal distractions.
Simple and intuitive

**Smart interface**
- Large, clear icons
- Sealed, easy press buttons
- Backlit LCD screen to show clear messages

**Unique battery design**
- Top load battery for easy access
- 2 battery compartments
- Hot swap capability for continuous use
- Integrated battery indicator

**3 in 1 carry bag**
- Convertible to handbag, messenger bag or backpack style
- Rubber bumper and retainer ring
- Clearly printed visual aids
- Air inlet channels

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Clinical efficiency

The **Platinum Mobile** is Invacare's most clinically efficient portable oxygen concentrator. Our advanced Sensi-Pulse technology has been designed to mimic the volume delivered by continuous flow delivering only clinically beneficial oxygen at the beginning of inspiration, in turn allowing the maximum opportunity for gas exchange. Also, oxygen sensor monitoring controls oxygen purity for maximum security, resulting in the best clinical efficiency. Visual and audible indicators will occur below 87% oxygen purity.

Efficient trigger sensitivity allows patients to breathe naturally through comfortable nasal single lumen cannula (0.13 cmH2O on Setting 2 at 20 BPM⁴):

<table>
<thead>
<tr>
<th>Setting</th>
<th>P1</th>
<th>P2</th>
<th>P3</th>
<th>P4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average pulse volume at 20 BPM</td>
<td>11 ml</td>
<td>22 ml</td>
<td>33 ml</td>
<td>44 ml</td>
</tr>
<tr>
<td>Average pulse volume at 30 BPM</td>
<td>7.3 ml</td>
<td>14.7 ml</td>
<td>22 ml</td>
<td>29.3 ml</td>
</tr>
<tr>
<td>Minute volume (ml)</td>
<td>220</td>
<td>440</td>
<td>660</td>
<td>880</td>
</tr>
<tr>
<td>Battery duration (hours)</td>
<td>5h05min</td>
<td>3h30min</td>
<td>2h20min</td>
<td>1h45min</td>
</tr>
<tr>
<td>Battery duration (hours)</td>
<td>10h10min</td>
<td>7h</td>
<td>4h40min</td>
<td>3h30min</td>
</tr>
</tbody>
</table>

Times are approximate

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Serviceability

The **Platinum Mobile** has been designed with serviceability in mind. Its modular construction makes it easy to service thanks to a reduced overall parts count and sub-component level. The design allows easy access for maintenance teams, saving on both scheduled costs and time.

**Easy maintenance and service**

**Easy to maintain**
- Integrated and easily accessible particle filter
- Easily accessible outlet filter

**Easy to clean**
- Integrated air intake filter screen to the carry bag
- Wipe or brush the carry bag with a mild liquid dish detergent and water.⁵
- Visual aids

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1. IEC 60601-1 3rd Edition Test Standard
2. Compared to XPO2
4. BPM (Breaths per Minute)
5. Please refer to user the manual instructions Section 5.5

See owner's manual for complete operating conditions and specifications
Accessories

3 in 1 Carry Bag
Convertible and comfortable carry bag can become a stylish messenger bag or a sporty back pack.
Reference: POC1-150

Additional Battery ¹
Slides into the additional battery slot to give increased operating time.
Reference: POC1-110-GB

AC Power Charger
Allows patients to charge the unit from any standard AC power supply.
Reference: POC1-130-EU

DC Car Charger
Allows patients to charge the Platinum Mobile from most vehicles.
Reference: POC1-140

External Charger ¹
Allows patients to travel with the Platinum Mobile whilst an additional battery is charged at hom. ²
Reference: POC1-115-GB

Key benefits

Sound level
A sound level of <40dBs ³ gives patients confidence to go to even the quietest of places such as the cinema or library.

Lightweight
At only 2.22 kg, the Platinum Mobile is compact and lightweight, promoting ambulation. It has been designed to encourage mobility, travel and independence.

Highly portable
In addition to the lightweight design, the Platinum Mobile comes with an easy-to-clean carry bag and two shoulder straps.
Use a single strap for carrying over the shoulder or dual strap to carry as a back pack.

Enhanced battery life
The Platinum Mobile can operate for up to 5hrs on a single battery and up to 10hrs with the addition of a second battery. ³

Bright LCD Screen
A bright, backlit, LCD screen delivers relevant information to patients and, together with the battery indicator, allows them to be confident as to the status of their oxygen supply.

FAA Compliant
The Platinum Mobile is FAA Compliant and can be used on commercial aircrafts, giving patients greater freedom to choose when and how they want to travel.

1. Sold separately
2. Single external charger without battery is delivered ref: POC1-115
3. On Setting 1
**Technical data**

For more comprehensive pre-sales information about this product, including the product’s user manual, please refer to your local Invacare website.

<table>
<thead>
<tr>
<th>Platinum™ Mobile</th>
<th>Total height (mm)</th>
<th>Total width (mm)</th>
<th>Total depth (mm)</th>
<th>Weight (kg)</th>
<th>AC Charger</th>
<th>DC Charger</th>
<th>FAA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>239</td>
<td>188</td>
<td>94</td>
<td>2.22</td>
<td>100-240 VAC</td>
<td>11-16 VDC</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0.45 kg supplemental battery 0.34 kg carry bag</td>
<td></td>
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</tr>
</tbody>
</table>

**Platinum™ Mobile**

- **Pulse dose delivery**
  - Settings 1-4
  - Up to 880 ml per minute

- **O2 purity**
  - 87% - 95.6%

- **Environmental tolerance**
  - Concentrator IP22 env.° from 5°C to 40°C

- **Power consumption**
  - 24W at setting 2

- **Sound level**
  - ≤ 40 db(A) at setting 2

- **Battery charging time**
  - 2h20min with 1 battery
  - 4h40min with 2 batteries

- **Trigger sensitivity**
  - 0.18 cm H2O average with ≤ 0.18 cm H2O at Setting 2 at 20 bpm

**Nasal cannula length**

- From 1200 mm to 2100 mm for best efficiency

**Product reference:** POC1-100B-EU

**What is in the box?**

- Platinum Mobile Portable Oxygen Concentrator
- Smart Carry Bag
- Messenger Strap
- Backpack Strap
- Lithium Ion Battery Pack
- AC 110-240V Power Adapter
- DC 12V Car Charger
- 1200 mm Cannula
- User / Owners Manual

**Invacare clinical evidence library**

- Cuvelier A, MUIR J-F, CHAKROUN N, ET AL. Refillable oxygen cylinders may be an alternative for ambulatory oxygen therapy in COPD Chest 2002 vol 122(2): 451-456
- LEWARSKI J, MIKUS G, ANDREWS G, CHATBURN R. A clinical comparison of portable oxygen system: continuous flow compressed gas vs. oxygen concentrator gas delivered with an oxygen conserving device; Respir care 2003 vol. 48(11);
- TURNBULL J, MCDONNELL L, AC DAVIDSON AC.