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**Product Name :**

Oxygen Concentrator

**Product Code :**

SLE/RAE/12



Science Lab
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## Description :

**Oxygen Concentrator** (Product Code: SLE/RAE/12) is a mobile medical device that draws in room air and delivers a continuous flow of concentrated oxygen (93 %) to patients through an adjustable 1–10 LPM flowmeter in wards, clinics and health centres. An integrated oxygen sensor checks concentration at the flowmeter entrance and alerts staff if it drops below 82 %. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

### Specifications

| Parameter | Detail |
|---|---|
| Oxygen source | Concentrates oxygen from ambient air; continuous flow |
| Oxygen concentration | 93 % |
| Flowmeter | 1–10 LPM, continuously adjustable, markings at 0.5 L intervals |
| Maximum output flow | 10 LPM |
| Output pressure | Minimum 55 kPa (as listed; confirm with quotation) |
| Oxygen sensing | Integrated; measures concentration at the flowmeter entrance |
| Alerts | Visual and audible: low/high output pressure, no flow, low oxygen concentration (< 82 %), power failure |
| Sound level | Less than 52 dB(A) |
| Hour meter | Digital or analogue display of cumulative operating hours |
| Oxygen outlet | Durable, approx. 6 mm barbed fitting or equivalent |
| Mobility | 4 antistatic swivel castors (2 with brakes); integrated handle |
| Weight | 28 kg |
| Power requirements | 220–240 V, 50–60 Hz, or 110 V, 50/60 Hz |
| Operating conditions | 10–40 °C; RH 15–85 %; altitude 0–2286 m above sea level |
| Storage conditions | -40 °C to 55 °C; RH ? 95 % |
| Limitation | Not suitable as an oxygen source for other respiratory-support equipment such as ventilators, CPAP devices or high-flow nasal oxygen |
| Product code | SLE/RAE/12 |
| Supplied by | Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India |

### What Is an Oxygen Concentrator Used For?

An oxygen concentrator gives a facility its own oxygen supply without cylinders: it separates oxygen from room air and passes it to the patient through nasal prongs, a mask or a humidifier line a ly or irregu

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