



High flow oxygen therapy system TMZ-02

- Automatic O₂ concentration control technology
- Intelligent temperature and humidity control system
- Up to 70L/min high flow output



CE CFDA



1 Efficiency

Automatic O₂ concentration control technology

- 21%–100% O₂ concentration adjustable with 1% adjusting precision
- Built-in O₂ blender and concentration monitoring module

Intelligent temperature and humidity control system

- Providing air with core body temperature and 100% relative humidity
- Adjustable temperature from 31°C to 37°C

Effectively reduce the dead space with 70L/min high flow

- Built-in multi-point flow sensor for accurate and stable flow



2 Safety

Revolutionary trend review function

- Review the latest 8–24 hours data of temperature, humidity and O₂ concentration

High-performance blower and sensor

- Stable flow output and accurate therapy data monitoring

Multiple alarming and time setting

Safe airway design to prevent cross infection

- Unique inner air passage design, no contact with user's airflow



Temperature setting screen

3 Comfort

Nasal prong

- Low level of positive pressure, high tolerance for patients
- High compliance without oppressive feeling

Threaded heated tube

- Guarantee the temperature and humidifying effect, prevent condensate water



Time setting screen

4 User-friendly Design

4.3 inch Large LCD screen

Wheel button to facile control

Disposable heated tube and water chamber

Integrated trolley provides mobility and convenience

Automatic water-adding function to save manual operation



Review screen

Parameters Sheet



Parameters

Description

| | |
|--------------------------------|---|
| Flow settings | Children Mode: 2L/min-25L/min Adult Mode: 10L/min-70L/min |
| Oxygen concentration | 21%–100% (adjustable by 1%) |
| Temperature | 31°C–37°C (adjustable by 1°C) |
| Treatment interfaces | Children nasal cannula, Nasal cannula, Tracheostomy, Face mask |
| Step Length | 25L/min–70L/min (increments of 5L/min), 2L/min–25L/min (increments of 1L/min) |
| Trend review | 1 day, 3 days, 7 days |
| Real time monitoring parameter | Flow, Temperature, O ₂ concentration, Treatment time |
| Dimensions | 340*228*162mm |
| Weight | 3.3kg |

SPECIFICATIONS:

1.1 Performance parameter

| Parameter | Scope | Accuracy |
|-----------------------|--|---|
| Oxygen concentration | 21%~100% | ±5% |
| Flow | 10L/min~70L/min (high flow mode) 2L/min~25L/min (low flow mode) | ±5L/min (25L/min~70L/min) ±2L/min (2L/min~25L/min) |
| Temperature | 31°C~37°C | ±2°C |
| Humidity | 2L/min~70L/min | >10mg/L |
| | 37°C, ≤40L/min | >33mg/L |
| PE drop | 70L/min | <2cmH ₂ O |
| PI drop | 70L/min | <2cmH ₂ O |
| Humidifier compliance | Humidifier compliance is not affected by the water chamber | <10mL/kpa |
| Leakage | 70L/min | <10mL/min |

1 2.Environmental parameter

| Parameter | Operating condition | Storage condition |
|--|--|-----------------------------|
| Temperature | 18°C~30°C | -10°C~60°C |
| Relative humidity | 15%~73% (non-condensate) | 15%~95% (non-condensate) |
| Atmospheric pressure | 83~102kPa (5,600 feet above the sea level) | ————— |
| Pressure range of high-pressure oxygen | 280kPa~600kPa | ————— |

1.3 Physical & electrical parameter

| Parameter | Value |
|--------------------|-----------------------------|
| Outline dimensions | 340mm L x 228mm W x 162mm H |
| Weight | 3.3kg |
| AC power supply | 100-240VAC~50Hz/60Hz |
| DC power supply | 24V |
| AC current | 2.5A Max |
| DC current | 4.2A |

1.4 Electrical safety classification

| Parameter | Value |
|--|--|
| Safety class against electric shock | Class-II |
| Electric shock protection degree | BF application component |
| Waterproof level | IP21 |
| Mode of operation | Continuous operation |
| Safety class when used in combustible anesthetics mixed with air or oxygen or helium oxide | It can't be used in combustible anesthetics mixed with air, oxygen or helium oxide |