



# ES-650N

Nitrous Oxide Sedation System



INTENSIVE CARES



## Application

The N2O Sedation System makes a good performance in gastrointestinal endoscope department, obstetrics department, dentistry department and other departments. From high to low acuity, simple to complex cases, pediatric to geriatric patients, Our N2O Sedation Systems offer you the choices you need in ventilation, monitoring and technique. What's more, our expertise in anesthesia delivery and ventilation is based on rich 23-year history of developing anesthesia solutions that meet your needs. Good performance based on High Security, High Accuracy, High Stability and accurate monitoring.

## Trust Points

- Simplicity: easy to use, easy to move with 4 wheels.
- Choice: adapt the equipment to your patients and procedures freely
- Designed and manufactured with over 23 years experience in this area.
- Flexible configurations to suit your needs.
- International standard and advanced technology suitable for wide range use.
- Compact interface and big screen give you better operating experience.
- Over 2,000 units installed in the world.

## Features

- 7 inches TFT LCD screen displays the Ventilation parameters, Alarming information and Waveform.
- Integration breathing circuit design, ensure easy operating and keep tidy.
- Multiple parameters monitoring interface, make every parameter clear, let users know the patient conditions in all aspects.
- Multiple Ventilation modes, suitable for different clinical need.
- Electronic control mixed gas blender, high precision adjustment.
- Built-in concentration monitoring system, real-time monitoring of airway pressure.

## Common Procedures Completed with Nitrous Oxide Sedation System

- VCUG/RNC
- IV Starts
- Gastrostomy
- Joint Injections
- Childbirth
- PICC Lines
- CT Scans
- Botulinum
- Incision and Drainage
- Sutures
- ISAT
- Electromyelograms
- Barium Enemas
- Catheter Insertions
- Lumbar Punctures

Common Procedures Completed with Nitrous Oxide Sedation System



**Stomatological Department**

Dental Department

Others



**Gastroenterology Department**

Gastroscopy

Gastrostomy

Colonoscopy

Others

Barium Enemas



**Obstetrics**

Hysteroscopy

Childbirth

LEEP operation

Others



**Burn Department**

Remove scab

Change dressing



**Cosmetology Department**

Laser

Botulinum injections

Hair transplant

Others



**Oncology Department**

**Emergency Department**

**Orthopaedics Department**



7" TFT LCD screen



Pressure gauge



Shuttle button



Stainless steel material



Gas cylinders



Brake



|  |  |
|--|--|
| Ventilation modes  | Continuous gas supply or On-demand gas supply<br>Rapid oxygen supply<br>Manual |
| Oxygen concentration   | 30% - 100%   |
| N2O concentration  | 0% - 70%   |
| Continuous flow  | 0-30L/min  |
| Manual ventilation flow  | 0-30L/min  |
| Rapid oxygen flow  | 25L/min - 75L/min  |
| <b>Monitoring parameters</b>   |  |
| Oxygen concentration   | 30% - 100%   |
| Airway pressure  | 0-60cmH2O  |
| Flow   | 0-30L/min  |
| Graphical display  | P-T (pressure – time)  |
| <b>Alarm and protection</b>  |  |
| The AC power failure alarm   | Power failure or no connection   |
| Internal battery backup low voltage alarm  | <11.3±0.3V   |
| High oxygen concentration alarm  | 31%-100%   |
| Low oxygen concentration alarm   | 30%-99%  |
| High Airway pressure alarm   | 5cmH2O-60cmH2O   |
| Pressure limit   | 60cmH2O  |
| Emergency air input  | When machine doesn't work  |
| N2O Closure function   | When oxygen pressure ≤ 200kPa  |
| Low gas source input pressure  | Pressure ≤ 200kPa  |
| <b>Working conditions</b>  |  |
| Gas source   | O2,N2O   |
| Pressure   | 280kPa-600kPa  |
| Voltage  | -220V±22V  |
| Power frequency  | 50Hz±1Hz   |
| Input power  | 60VA   |
| Size:<br>Wooden case packing size: L700*W 800*H 420mm , GW: 40KG ; NW: 20KG<br>Wooden case packing size: L1100*W 160*H 195mm , GW: 6.7KG ; NW: 2KG |  |

