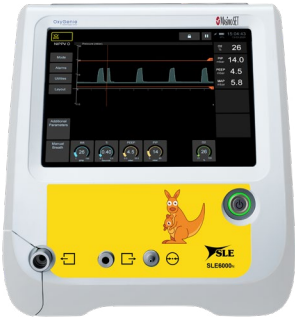


SLE6000N (Non-Invasive) Specifications



The SLE6000N is a full specification infant care ventilation system. Compact in design, it offers conventional modes for Non-Invasive Ventilation (NIV).

OxyGenie® (Auto O₂) is also integrated as standard and is enabled by choosing the SpO₂ monitoring module and license option.

Non-Invasive Ventilation

► nCPAP D (Dual limb)

for passive nCPAP interfaces e.g. SLE Miniflow

| | |
|------------------------------|--------------|
| Inspiratory Time (Ti) | 0.1 to 3.0 s |
| CPAP | 0 to 35 mbar |
| PIP | 0 to 65 mbar |
| O ₂ Concentration | 21 to 100% |
| ► Additional Parameters | |
| RR Backup | 1 to 150 BPM |
| Rise Time | 0 to 3.0 s |
| Trigger Sensitivity | 1 to 100% |

► nCPAP S (Single limb)

for active (fluidic-flip) nCPAP interfaces (e.g. SLE1000 generator, Infant Flow or First Breath™) and other single tube interfaces

| | |
|------------------------------|--------------|
| Inspiratory Time (Ti) | 0.1 to 3.0 s |
| CPAP | 2 to 15 mbar |
| PIP | 2 to 25 mbar |
| O ₂ Concentration | 21 to 100% |
| ► Additional Parameters | |
| RR Backup | 1 to 10 BPM |
| Trigger Sensitivity | 1 to 100% |

► NIPPV D (Dual limb)

| | |
|------------------------------|--------------|
| Respiratory Rate (RR) | 1 to 150 BPM |
| Inspiratory Time (Ti) | 0.1 to 3.0 s |
| PEEP | 0 to 35 mbar |
| PIP | 0 to 65 mbar |
| O ₂ Concentration | 21 to 100% |
| ► Additional Parameters | |
| Rise Time | 0 to 3.0 s |

► NIPPV Triggered (Dual limb)

for passive nCPAP interfaces e.g. SLE Miniflow

| | |
|------------------------------|--------------|
| Respiratory Rate (RR) | 1 to 150 BPM |
| Inspiratory Time (Ti) | 0.1 to 3.0 s |
| PEEP | 0 to 35 mbar |
| PIP | 0 to 65 mbar |
| O ₂ Concentration | 21 to 100% |
| ► Additional Parameters | |
| Rise Time | 0 to 3.0 s |
| Trigger Sensitivity | 1 to 100% |

O₂ Therapy

► High Flow Oxygen Therapy (Single limb)

| | |
|------------------------------|---------------|
| Flow Rate | 2 to 30 l/min |
| O ₂ Concentration | 21 to 100% |

Optional Module Features

► SpO₂ Masimo®

| | | |
|---------------------------|--|------------------|
| Displayed parameters | Saturation (fraction of oxyhaemoglobin to functional haemoglobin), pulse rate, Signal IQ and plethysmogram | |
| Trends | SpO ₂ and Pulse rate for previous 14 days | |
| Measuring method | Absorption spectrophotometry | |
| Ventilator connector | ODU-type plug (red). Powered from ventilator. | |
| Dimensions (mm) | 24 (h) x 33 (w) x 92 (l) | |
| Weight (excluding sensor) | 0.122 kg | |
| | Fractional SpO ₂ (%) | Pulse Rate (BPM) |
| Display Range | 0% - 100% | 25 - 239 BPM |
| Calibration range | 70% - 100% | 25 - 239 BPM |
| No motion accuracy (rms) | ≤ 2.0% | ≤ 3.0 BPM |
| Motion accuracy (rms) | ≤ 3.0% | ≤ 5.0 BPM |
| Resolution | ≤ 0.1% | ≤ 1 BPM |
| Averaging time (seconds) | 2-4, 4-6, 8, 10, 12, 14, 16 | - |

► SpO₂ Nellcor™

| | | |
|---------------------------|---|--|
| Displayed parameters | Arterial blood oxygen saturation (SpO ₂) - Functional measure of oxygenated hemoglobin relative to the sum of oxyhemoglobin and deoxyhemoglobin | |
| Trends | SpO ₂ and Pulse rate for previous 14 days | |
| Measuring method | Absorption spectrophotometry | |
| Ventilator connector | ODU-type plug (red). Powered from ventilator. | |
| Dimensions (mm) | H: 93.9 ± 5, L: 59.9 ± 5, W: 58 ± 5 | |
| Weight (excluding sensor) | Weight without cradle - 300g Weight with cradle - 325g | |

| | | |
|--------------------------|---------------------------------|------------------------|
| | Fractional SpO ₂ (%) | Pulse Rate (BPM) |
| Display Range | 1% - 100% | 20 - 300 BPM |
| Calibration range | 70% - 100% | 25 - 300 BPM |
| No motion accuracy (rms) | 70 to 100% ±2 digits | 20 - 250 bpm ±3 digits |
| Motion accuracy (rms) | 70 to 100% ±3 digits | 20 - 250 bpm ±5 digits |
| Resolution | ≤ 0.1% | ≤ 1 BPM |
| Averaging time (seconds) | Normal Fast | - |

► OxyGenie®

| | |
|-----------|---|
| Controls | Adds additional (start/stop) option to FiO ₂ parameter controller. Range selector in SpO ₂ utilities menu. Ranges are: 90 - 94%, 91 - 95% (default), 92 - 96%, 94 - 98% Manual override (timed, for 30 seconds) |
| Waveforms | Additional SpO ₂ screen can show any one ventilation parameter plus plethysmogram and trends of SpO ₂ and FiO ₂ |
| Alarms | Alarms automatically set on SpO ₂ software, corresponding with target range (1% above high and 1% below low). Can be manually set as well. Alarm indications shown in Alarm bar. Alarm level indicators on SpO ₂ and FiO ₂ graphs. |
| Indicator | Status panel shows OxyGenie status such as 'Auto', 'Manual Override' (with countdown) or 'Waiting for Signal'. |
| Trends | Trending information for SpO ₂ and FiO ₂ can be shown simultaneously. Up to 14 days of data are stored for each parameter. |

Environment Conditions

► Operating Environment

| | |
|-------------------|----------------------------|
| Temperature | +10°C to +40°C |
| Relative Humidity | 10 to 90% (non-condensing) |

► Dimensions

| | |
|--------------------------|--------------------------------|
| Size, (ventilator only) | w 330 mm x h 369 mm x d 548 mm |
| Height on pole | 1310 mm |
| Weight (ventilator only) | ≤ 22 kg |

► Environmental Storage Conditions

| | |
|----------------------|---------------------------|
| Ambient Temperature | -20°C to +50°C |
| Relative Humidity | 10% to 90% non-condensing |
| Atmospheric Pressure | 500 mbar to 1060 mbar |

► Sound levels

| | |
|----------------------|--------|
| Sound pressure level | 49 dBA |
| Sound Power Level | 53 dBA |

Electrics

► Power AC

| | |
|------------------|--|
| Mains voltage | 100-240V / 50-60Hz |
| Power | 115 VA |
| Fuses (x2) | T2.5AH 250V (5x20 mm) |
| Battery back-up | The ventilator will typically run for over 3 hours from 100% battery charge to complete discharge during normal use. |
| Battery charging | Full charge: 18 hours 80% charge: 8 hours |

SLE6000N (Non-Invasive) Specifications

Electrics Cont.

► Power DC

| | |
|---------|--------|
| Voltage | 24V 4A |
|---------|--------|

► Classification (Electrical)

| | |
|--|----------------------------------|
| Type of protection against electric shock: | Class 1 Unit must be earthed. |
| Degree of protection against electric shock: | Type BF, applied part |

► IP Rating

| | |
|---|------|
| Type of protection against ingress of water | IP21 |
|---|------|

Connectors

► Pneumatic Connectors

| | |
|-----------------|---------------------------------------|
| Exhalation port | 15 mm F / 22 mm M conical (ISO5356-1) |
| Proximal airway | 5 mm non-conical |
| Fresh gas port | 15 mm M conical (ISO5356-1) |
| Nebuliser Port | 5 mm Non Conical |

► Connectors (Rear mounted)

| |
|--------------------------------------|
| RS232 & USB data ports |
| Display port |
| USB Power port for nebuliser |
| Nurse Call |
| 24V DC input |
| SpO ₂ & etCO ₂ |
| RJ45 Ethernet networking port |

Misc. Specifications

► Flow Sensor

| | |
|---|--|
| Flow sensor type: (Electrically isolated) | 10 mm dual-hot-wire anemometer. (Single-use or autoclavable versions). |
| Applied part | Type BF |
| Flow rate | 0.2 to 30 l/min |
| Accuracy | ±8% maximum |
| Dead space | 1 ml |
| Weight | 10 g |

► Measured Parameters Resolution

| | |
|----------------------------|-----------------|
| Leak | 1% |
| Respiratory Rate (RR) | 1 BPM |
| Compliance (C) | 1ml/mbar |
| Mean Airway Pressure (MAP) | 1mbar |
| C20/C | 0.1 |
| Resistance (R) | 1 |
| Inspiratory time (Ti) | 10 milliseconds |
| Expiratory time (Te) | 10 milliseconds |
| Vmin (l) | 0.01 l |
| Trigger (Trig) | 1 |
| Vte (ml) | 0.1 ml |
| DC02 | 1 |
| I:E Ratio | 0.1 |
| Oxygen Concentration | 1% |
| Pressure | 0.1 mbar |

► Display Range of Measured Parameters

| | |
|---|---------------------|
| Leak | 0 to 99% |
| Respiratory rate | 0 to 999 BPM |
| Compliance | 0 to 99.9 ml/mbar |
| C20/C | 0 to 9999 |
| Resistance | 0 to 999 mbar/(l/s) |
| Inspiratory time | 0 to 9.99 s |
| Expiratory time | 0 to 9.99 s |
| Vmin | 0 to 99.99 l |
| Trigger resolution | 1 |
| Vte | 0 to 99.9 ml |
| DC02 | 0 to 9999 |
| I:E Ratio | 1:9.9 to 9.9:1 |
| Oxygen concentration | 0 to 999% |
| Peak pressure | 0 to 999 mbar |
| PEEP pressure | 0 to 999 mbar |
| Mean pressure | -999 to 999 mbar |
| Delta P | -99 to 999 mbar |
| Trending | Data logged @ 1 Hz |
| <i>Above values are obtained under ATPD (ambient temperature and pressure, dry) conditions.</i> | |

► Flow

| | |
|-----------|---------------|
| Flow rate | 0 to 99 l/min |
|-----------|---------------|

► Volume

| | |
|--------------------------|-------------|
| Expiratory tidal volume | 0 to 999 ml |
| Expiratory minute volume | 0 to 18 L |

For further specifications & operating temperature, pressure and humidity ranges for SpO₂ please see User Manuals.

The Microstream technology is designed for use during invasive ventilation in conventional modes. It is currently not recommended for use in NIV or during HFOV. An IntelliBridge module is also available