



# MAGLIFE Serenity

## Technical Data MAGLIFE Serenity

### MAGLIFE Serenity:

**Dimensions:** 440 x 450 x 310 mm / 17.3 x 17.7 x 12.2 in (L x H x W)

**Weight:** 23 kg

**Power supply:** 100 / 110 / 240V 55 VA, class I

**Battery:** 12V 4Ah lasting 90 minutes, or 12V 17Ah lasting 6hrs

**Display:** Colour VGA 12,1" TFT, 800 x 600 dots

**Alarms:** Visual and audible for each parameter, 9 tables configurable, Quick Set / All Alarms Off/ Standard

**Display unit:** Identical to the main screen, full control of all parameters

**Network:** Optical, WLAN, Ethernet, Various combinations of main screen and display unit, HIS, PCAS communication (in preparation)

**Patient type:** All parameters for neonates, children and adults

**ECG:** 3 channels, Optical amplifier, Backup battery (non-magnetic), @SCS patent for gradient suppression, Excellent ECG quality, Accurate QRS detection under difficult conditions, Defibrillation protection, Bandwidth 0,5 - 22 Hz / 0,5 - 40 Hz for rhythmology/trigger, HR 30-250 bpm, Sensitivity 0,25 / 0,5 / 1 / 2 cm/mV, Speed 25 / 50 mm/s

**SpO<sub>2</sub> / pulse:** Fibre optic sensors, Photo-spectrometry measurement, Measuring range 0 - 99%, Precision 2% (70 - 99%), Pulse 30 - 250 bpm, Precision 5 bpm

### Capnometry:

Sidestream via infrared photo-spectrometry, Galvanic O<sub>2</sub> cell (high-speed), Automatic gas detection (2 out of 5 gases), Inspiratory and expiratory data for CO<sub>2</sub> / NO<sub>2</sub> / O<sub>2</sub> / anaesthetic agents, Display % / mmHg / kPa

**CO<sub>2</sub>:** Measuring range 0 - 270 mmHg (0 - 12,6 kPa), Frequency 2 - 100 /min, Precision +/- 0,5% / +/- 1 /min

**N<sub>2</sub>O:** Measuring range 0 - 950 mmHg, Precision +/- 3%

**Anaesthetic agents:** Isoflurane, halothane, enflurane, sevoflurane, desflurane, Measuring range 0 - 30%, Resolution 0,01%, Precision:

- Isoflurane: +/- 0,2% abs. max.

- Sevoflurane: +/- 0,4% abs. max.

- Halothane: +/- 0,2% abs. max.

- Desflurane: +/- 1% abs. max.

- Enflurane: +/- 0,2% abs. max.

**O<sub>2</sub>:** Galvanic cell, Measuring range 0 - 100%, Resolution 1%

**NIBD:** Oscillometric measurement, Measuring range: Adults 10 - 290 mmHg / Neonates 5 - 145 mmHg, Precision 3 mmHg

**IBP:** Disposable and re-usable sensors (non-magnetic), Adjustable for standard disposable sensors, Measuring range 0 - 300 mmHg, Precision 4 mmHg, Resolution 1 mmHg, Adjustment range 30 / 60 / 150 / 300 mmHg, Bandwidth 0 - 10 Hz

**Temperature:** Optical measuring method, Core and skin temperature measurement, Precision 0,2 °C without calibration, T1 / T2 and Delta T, Robust sensors

**Trigger:** Optical trigger outputs, 3x analogue, 3x digital

**Recorder:** 2 channels, thermal paper, Z-folded, 25 mm/s, Manual or automatic start, Trend printout

**Trends:** 24 hours for all parameters, Highest resolution without data loss, Patient isolation

### MAGSCREEN Serenity:

**Dimensions:** 450 x 398 x 260 mm / 17.7 x 15.6 x 10.2 in (L x H x W)

**Weight:** 12 kg

**Power Supply:** 100 - 240 VAC, 50/60 Hz 60VA, class I

**Display:** Colour VGA 12,1" TFT, 800 x 600 dots

Technical data are subject to change without prior notice.



10/09

Data sheet for Part no.: 2.500565



# SCHILLER

The Art of Diagnostics