MySign® S

ENVITEC
by Honeywell

# Innovative pulse oximeter with continuous monitoring

MySign® S from EnviteC is the intelligent solution for non-invasive vital sign monitoring.

- The sophisticated design guarantees ease of use, outstanding robustness and exceptional performance
- Versatile use in clinics, nursing homes, outpatient settings, emergency medical services and rescue situations
- Hygiene safety without compromise – MySign® S is well protected, fast and easy to clean


## Technical specification

| | |
|---|---|
| **Measuring range** | Saturation ($SpO_2$) 1–100%<br>Pulse rate (PR) 0–300 BPM<br>Perfusion index (PI) 0.1–20 |
| **Accuracy*** | Saturation +/- 2% (70–100%, without motion artifacts)<br>Pulse frequency +/- 3 BPM (30–250 BPM, without motion artifacts) |
| **Display** | Data update rate: once every 300 ms<br>Plethysmogram: amplitude = 75% of the measuring range |
| **Operating temperature** | 0°C–40°C (32°F–104°F) |
| **Operating humidity** | 15–95% relative humidity (non-condensing) |
| **Ambient pressure** | 700–1060 hPa |
| **Storage temperature** | -25°C–70°C (-13°F–158°F) |
| **Battery** | Li-ion 3.6 V 2900 mAh |
| **Operating time per charge** | > 18 hours (at standard settings)<br>> 24 hours (when auto-off function is switched on and at lowest brightness setting for display) |
| **Charger** | Mini-USB Type B, Protection Class II<br>Input: AC 110 V–230 V / 50–60 Hz / 125 mA, Output: DC 5 V / min. 1 A / < 15 W<br>IEC 60601-1 / IEC 60950-1 |

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IP 54 IK 05 MDD 93/42/EWG DIN EN 1789

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|---|---|
| **Charge time** | Approx. 4 hours |
| **Use of device while battery is charging** | Full functionality maintained |
| **Display** | 2.8" multicolor TFT |
| **Dimensions (device)** | 160 x 72 x 39 mm / 6¼ x 2¾ x 1½ inch (H x W x D) |
| **Protection class** | IP 54 |
| **Impact resistance** | IK 05 |
| **Weight** | Approx. 320 g (with sensor*) |
| **Interface** | USB 2.0 (Mini-USB Type B connector) |
| **Alarm functions** | Monitoring of alarm limits and device functions (optical and acoustic) |
| **Alarm limits (adjustable)** | Adjustable between:<br>$SpO_2$<br>Upper limit: 51% – 100% $SpO_2$<br>Lower limit: 50% – 99% $SpO_2$<br>Pulse<br>Upper limit: 31 – 250 BPM<br>Lower limit: 30 – 249 BPM |
| **Alarm volume** | 55 – 75 dB(A) |
| **Pulse tone** | Tone pitch variable (depending on measured $SpO_2$ value) |
| **Application indicator** | Period 0 – 8 hours |
| **Data storage** | Max. 96 hours at a trend storage interval of 10 seconds<br>(trend storage interval adjustable from 5 – 60 seconds)<br>readings, date, time, alarm limits, events |
| **Personalization** | Device and data set in connection with MySign® software (e.g. name, ward, patient ID) |
| **Electrical safety** | Class II, Type BF |
| **MDD class** | IIb |
| **Conformity** | CE 0123 |
| **Standards** | The device complies with the requirements of MDD 93/42/EEC for medical devices and the applicable standards (e.g. ISO 80601-2-61) and directives.<br>Also in compliance with:<br>DIN EN 1789 Medical vehicles and their equipment – Road ambulances |

* with SoftTip® R-3211-12 MySign®

All specifications apply to standard conditions:
Ambient pressure 1013 hPa, 25°C dry ambient air.

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