

# 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

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



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