

MySign® S Pulse Oximeter

SENSING

ANALYSIS

DELIVERY

"Can be used as a portable or stationary device in a variety of settings"



2.8" large, high-contrast and rotating display



MYSIGN® S PULSE OXIMETER OVERVIEW

The MySign S Pulse Oximeter measures arterial oxygen saturation (SpO₂), pulse rate, and plethysmographic pulse waves. The monitor can be used as a portable or stationary device in emergency medical services, rescue situations, clinics, hospitals, nursing homes and outpatient settings.

PART NUMBERS

MySign S Pulse Oximeter R124P10
MySign S w/ Soft Tip Probe R124P10-001
MySign S w/ Finger Probe R124P10-002
MySign S w/ Disposable Probe R124P10-003

ACCESSORIES

MySign S Power Supply R124P11
MySign S Finger Probe F-3211-12 R118P52
MySign S Disposable Probe (24 pk) R119P10
MySign S Cable Adapter X-4211-1 R121P75
MySign S Soft Tip Probe R134P40

Specifications

Measurement Range	Saturation (SpO ₂): 1 – 100% Pulse rate (PR): 0 – 300 BPM Perfusion index (PI): 0.1 – 20 CO ₂
Accuracy	Saturation +/- 2% (70 – 100%, without motion artifacts) Pulse frequency +/- 3 BPM (30 – 250 BPM, without motion artifacts) 0%, 1-2%, >5%
Display	Data update rate: once every 300 ms 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), > 24 hours (when auto-off function is switched on and at lowest brightness setting for display)
Charger	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
Charge Time	Approx. 4 hours (full functionality maintained while charging)
Display	2.8" multicolor TFT
Dimensions (Device)	160 x 72 x 39 mm / 6 1/4 x 2 3/4 x 1 1/2 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)	SpO ₂ - Upper limit: 51% – 100% SpO ₂ , Lower limit: 50% – 99% SpO ₂ Pulse - Upper limit: 31 – 250 BPM, 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 (trend storage interval adjustable from 5 – 60 seconds) 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. Also in compliance with: DIN EN 1789 medical vehicles and their equipment – road ambulances