



SATURATION MEASUREMENT DEVICES

SpO2 set measures the oxygen saturation in the blood and heart rate. It is used when there is a suspicion of breathing malfunction, during oxygen therapy, during general anesthesia and while performing rescue actions.

The SpO2 set consist of: monitoring device and an SpO2 sensor, that measures the pulse and blood oxygen saturation. The SpO2 cables, that can function as an extension cables are additional elements, that are especially useful when there is a sensor with a shorter cable. The SpO2 adapters that ensure firm grip on patients body work as a complement to the whole set.

SpO2 SENSORS

Our SpO2 sensors allow for non-invasive measurement of blood oxygen saturation level. The wide offer of models in our offer allows to fit the sensors to the patient's age, their weight or the place of the device's application. Thanks to the wide range of used plugs it is easy to match the sensor with the majority of monitors on the market. SpO2 sensors are available in two basic categories: disposable and reusable ones.

Disposable SpO2 sensors might be used multiple times subject to being used by a single patient during his stay at the hospital. The specific structure of the sensors, soft foam and flannel; Velcro or gently adhering area fastening, makes using more comfortable. Owing to the utility advantages, the SpO2 sensors are often used in neonatology, pediatrics, geriatrics and for patients with burns.

Reusable SpO2 sensors can be cleaned, disinfected and sterilized with the use of standard hospital procedures, thanks to their high-durability. Those actions ensure the long operating time and reduce the cost of the single measurement, because they can be used by multiple patients.

SpO2 CABLES

SpO2 cables are for the elongation of a signal trajectory between a SpO2 sensor and a monitoring device. They improve the comfort level of the work, especially when it comes to the sensors with shorter cable. Moreover, the extension cables can be used as an intermediary system for different plugs, which is used when transferring patients between different hospital units equipped in different types of monitoring devices. Specific, flexible and durable construction of the SpO2 cable guarantees long and failure-free operating time.

SpO2 ADAPTERS

SpO2 adapters are the additional accessories that attach the SpO2 sensor to the patient's body. Thanks to them, the stable attachment of the sensor is possible, which allows proper measurement of a patient. There are disposable and reusable versions of SpO2 adapters.



SpO2 SATURATION SENSORS

The SpO2 sensor is a medical device that indirectly (non-invasive) controls the blood saturation level of a patient as well as the consequent changes in blood and skin volume. The SpO2 sensors are connected to the multi-parameter monitor. Thanks to the data, gathered and sent by the sensor, this monitor displays (among other things) information concerning patient's oxygenation level and pulse.

The SpO2 sensor is applicable whenever the oxygenation of the patient is unstable, for example:

- during anesthesiological procedures
- at ICUs
- when the permanent supervision of the patient's vital functions is necessary

The SpO2 sensors play vital role in rescue medicine, because they are easy to use and ensure constant information on saturation level of the patient. They are extremely useful for patients with respiratory system and heart malfunctions. Especially for patients with chronic obstructive pulmonary disease (COPD) or for diagnostics of hypopnea and apnea.



Disposable SpO2 sensors

connector:	PVC plug with golden-plated pins
LED and photo detector:	660 nm / 905 nm / 940nm; 4mm / 8mm
cable's material and color:	grey PVC cover
cable length and diameter:	0.9 mm; 3.20 mm
sensor's cover:	blue foam with Velcro; 3M adhesive textile material; white adhesive foam

Compatible with the following types of devices:

BCI, Criticare, Datascope, Datex GE OxyTip+, MEK, Nellcor Non-Oximax, Nihon Kohden, Nonin, Novamatrix, Ohmeda

catalogue number		SJR		SJK		SJP
name		sensor on a foam with Velcro		textile sensor with adhesive layer		foam sensor with adhesive layer
sensor's size		for adults / newborns > 30 kg / < 3 kg for infants / children 1-40 kg		for adults > 30 kg for children 15-40 kg for newborns 1-15 kg for infants < 3 kg		for adults > 30 kg for children 15-40 kg for newborns 1-15 kg for infants < 3 kg
quantity and color of wires		single, gray		single, gray		single, gray



Reusable SpO2 sensors

connector: adapter made of nylon with gold-plated pins
 LED and photo detector: ceramic or plastic, plastic photo-sensor
 cable's material and color: TPU insulator
 cable length and diameter: 0.3 m / 1.1 m / 1.5 m / 3.0 m; 4.00 mm or 2.50 mm
 sensor's cover: ABS cover, finger clip
 silicone corpus ('soft' and multi-site)

Compatible with the following types of devices:

Artema/S&W, Baxter/Simed, BCI, Biosys, Biolight, Boinet, CAS Medical, Charmcare, Colin (Omron), Corpuls, Creative, Criticare, Datascope, Digicare, Dima, Dophin, Drager/Siemens, Edan, Fukuda Denshi, GE Corometrix, GE Criticon, GE Datex-Ohmeda, GE Hellige, GE Marquette, GE Ohmeda OxyTip+, GE Trusignal, Goldway, Ivy Biomedical, Kontron, Lohmerier, MDE/Invivo, Meditronic Physio Control, Medlab, MEK, Mindray, Minolta, Nellcor-Tyco, New Tech General Med, Nihon Kohden, Nonin, Novamatrix, PaceTech/Generra, Palco, Philips/HP, RGB Medical, Schiller ODM/Bruker, Spacelabs, Zoll, Zondan, UnicaremBCI, Criticare, Datascope, Datex GE OxyTip+, MEK, Nellcor Non-Oximax, Nihon Kohden, Nonin, Novamatrix, Ohmeda

catalogue number	SWBD	SWBP	SWSD	SWSP	SWSI
					
name	finger clip for adults	finger clip for children	'soft' sensor for adults	'soft' sensor for children	'soft' sensor for infants
patient's weight	+40 kg	15-40 kg	+40 kg	15-40 kg	3-15 kg
quantity and color of wires	single, gray	single, gray	single, blue	double, gray	double, gray

catalogue number	SWON	SWYG	SWUD	SWADIN	SWAPI
					
name	wrap for infants	multi-site universal sensor	ear-clip for adults	alternative wrap for adults / newborns	alternative wrap for children / infants
patient' size	1-3 kg	for every patient	+40 kg	+40 kg or 1-3 kg	15-40 kg
quantity and color of wires	double, gray	double, gray	single, blue	double, gray	double, gray



SpO2 CABLES

SpO2 cable is for the elongation of a signal trajectory between a SpO2 sensor and a monitor used for a measurement of blood oxygenation. A supply voltage is transmitted from the monitor to the sensor through the cable. However, the other way round transmission consists on the delivery of the signal from the sensor to the monitor. The signal makes it possible for the apparatus to determine the blood oxygenation and a heart rate.

connector:	compatible, nylon plug with gold-plated pins
cable material and color:	TPU cover, oyster, pale gray
length:	1.1 m / 2.2 m / 3.0 m
cable diameter:	4.0 mm / 5.0 mm

Compatible with all types of devices that work with SpO2 sensors offered by our company.



SpO2 ADAPTERS

SpO2 adapters help attaching the saturation sensor or SpO2 cable during the measurement of blood oxygenation level. Ear grip is used as stabilization for the sensors in the form of an ear clip, whereas bands and wrappers help attaching sensors (mainly spot ones) to patient's limb.

Thanks to using disposable adapters the risk of cross-infection decreases.

Reusable adapters on the other hand are easily disinfected and sterilized.

identification	adapter type	destination	times of use	packaging
A	ear sensor gripper	used with ear-clip SpO2 sensors	multiple	1 pcs
B	ear-clip for adults	used with multi-site SpO2 sensors	multiple	1 pcs
C	silicone band	used with multi-site SpO2 sensors	multiple	1 pcs
D	3 holed foam wrapper	for every patient, used with multi-site SpO2 sensors	multiple	12 pcs
E	3M material tape for adults / newborn	used with multi-site SpO2 sensors	single	25 pcs
F	3M material tape for children / infants	used with multi-site SpO2 sensors	single	25 pcs
G	foam wrapper with Velcro	used for attaching SpO2 cables on patient's wrist	multiple	12 pcs

