

Description of technical and functional parameters of the SiDLY Care device
1. Two-way voice communication - the ability to connect directly from the band using a convex SOS button. Possibility to call the band.
2. Heart rate measurement - medical measurement from the device sent to the system. Possibility of setting a maximum and a minimum heart rate which will cause an alarm in the system when exceeded.
3. Saturation measurement - illustrative saturation measurement. Saturation indicates what the levels of oxygenated hemoglobin are. When saturation decreases, we usually begin to feel short of breath. Saturation is one of the basic parameters in the diagnosis of many lung diseases, respiratory failure as well as, among others, spread of SARS viruses. The device measures saturation while stationary and then sends it to the platform.
4. Skin temperature measurement - monitoring rapid skin temperature changes in a short unit of time. After exceeding the declared level of increase or decrease in skin temperature, an alarm is sent to the system.
5. Measurement interval - the ability to set an intensity of measurements.
6. Measurement quality – an indicator of quality of a measurement. The indicator is correlated with the occurrence of motion artifacts. If there are motion artifacts in the system, a message about the quality of the measurement appears.
7. Faint detection - a feature that is automatically triggered when the wristband user falls. The band should automatically send an alert notification to the carer, the application and onto the platform, along with a geolocation link, and initiate a voice call. Possibility to set a fall detection sensitivity from an internet platform.
8. An SOS button - adapted for visually impaired and blind seniors - marked with the Braille alphabet. The function of a quick call for help through an alarm being sent by the band which also specifies the approximate area in which the band user is. After pressing the SOS button, the user will generate an alert. SMS messages and a geolocation link should be sent to the emergency numbers indicated, and then a voice call should be generated with the emergency center.
9. The localization of the user - when either the SOS or a fall signal is sent, location information is automatically transmitted. In order to maximize the probability of obtaining an accurate location, the band should simultaneously use the minimum of the following technologies: GPS, LBS, aGPS, and WiFi. In addition, it is necessary to be able to locate the user at any time by sending an SMS to the band number.
10. Voice messages - the band user should receive voice messages about the following: activation of the band, a measurement being made, the band being discharged below 15%, the band becoming fully charged, sending an SOS message, sending a Fall message, necessity to take medication
11. A pedometer
12. A reminder to take medication. It is possible to enter a list of drugs along with the dosage from the platform level, followed by a reminder to take medicines.
13. Charging the device via a micro USB charger.
14. The device made in the European Union.
15. GPS, aGPS, LBS and WiFi location.
16. Battery charging frequency - not more often than every 2 days
17. Charging time - around 2 hours
18. IP65 waterproof class
19. The device is adapted to the needs of the blind and visually impaired - SOS button marked with the Braille.
20. Individual IMEI number for each band.
21. A safe product, admitted to trading in Poland, CE certified, meeting safety standards in accordance with Directive 93/42 / EEC.
22. Built-in nano SIM card, without the possibility of a user's intervention in the exchange and removal of the SIM card.
23. A built-in, covered speaker and a microphone made in a way to prevent dirt and flooding.
24. The simplicity of product usage. A maximum of one button on the device.
25. USB charger included with the band.
26. Adjustable strap