

Automatic fall detection
Emergency push-button
Wrist-worn & pendant



Vibby OAK automatic fall detector

Accidental falls and the increasing frequency of falls is one of the most common causes of hospitalization for elderly. In addition to the pain and suffering caused by a fall the time before help arrives is a crucial factor in the individual's rehabilitation.

The Vibby OAK fall detector is the first automatic wrist & neck-worn fall sensor on the market. Use of the fall sensor will facilitate independence and security at home, and the user feels independent and confident to be more active. The previous generation of this fall sensor has been fitted and provided by Vitalbase to more than 300.000 users in Europe.

Based on an innovative algorithm and additional sensors, the Vibby OAK fall sensor automatically detects a heavy fall*, and thereby considerably reducing the response time. One hour without help and assistance may cause medical complications.

The Vibby OAK fall detector is easy to install and compatible with Doro Care's carephones CareIP®, CareIP® Mobile, CareMobile, Doro Sara and Gloria+.

*A heavy fall is characterized by 4 steps:

1) A body in standing position or in activity (walking) followed by
2) a quick and sudden loss of altitude (more than 60 cm drop between the fall sensor and the ground so that the accelerometer can detect such event) followed by

3) a strong and significant body impact on the ground followed by

4) a lying position on the ground with or without activity, the user being unconscious and not able to manually press the button or to stand up after the fall (no altitude recovery over 60 cm and 6 sec)



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The Vibby OAK fall detector can be worn on the wrist like a watch or as a pendant around the neck. The user needs to wear it 24 hours a day, even during the shower or at night during sleep, which are the phases of life when the highest level of falls occur. Almost half of all falls occur in the bathroom and a significant portion occurs at night. However, it may not detect all falls from a lying position in bed or from sitting on chair to the floor.

Manual alarm

At any time a manual alarm can be triggered by a simple press on the push-button. The alarm is confirmed by a vibration and LED light.

Automatic fall detection

After a heavy fall, when the user is lying on the ground with or without activity and unable to manually press the push-button, the Vibby OAK will vibrate with blinking LED for 20 sec. before sending an alarm.

Alarm cancellation with sensor

During the warning period (vibration), the user can cancel the alarm by simply cover the fall sensor completely with the palm of the hand during 2 sec. then remove the hand once the Vibby OAK fall sensor has stopped to vibrate.

Auto alarm cancellation

After a fall, if the user stands-up and remains standing for more than 6 sec. the alarm will automatically be cancelled.

Technical data

Frequency	869,2 MHz
	Bi-directional transmitter/receiver
Water resistance	Waterproof complies with IP67
Battery	Lithium CR2477 (replaceable)
	Battery life up to 2 years
Dimensions	37 x 33 x 12,7 mm
Weight	35g
Watchband	Hypoallergenic rubber
	Stainless steel chromed hypoallergenic (FDA)
For more information	See technical handbook
Article number	300 187

Approval

CE-marked. Complies to the main requirements and associated regulations presented in the European directives 1999/5/EC (R&TTE), 2011/65/EU (ROHS-2) and EC 1907/2006: NO_SVHC REACH.

The compliance is declared by, and the declaration of conformity is held by the Vitalbase, Healthcare division of Telecom Design, Zone Actipolis II, 2Bis rue Nully de Harcourt, 33619 Canejan, France.

The Vibby OAK product is designed and manufactured by VitalBase.

