

Included in package:

- 1 PIEPS VECTOR
- 2 Vector carrying system
- 3 Connector
- 4 USB connector plug
- 5 USB cable



DEAR WINTER SPORTS ENTHUSIAST!

②

We are pleased that you have decided to purchase a PIEPS VECTOR.

The PIEPS VECTOR is a digital 4-antenna beacon with GPS support for easiest use and best technological support at companion rescue.

You will be found easier and faster with the smart transmitter at its best: iPROBE support and automatic switching of the transmitting antennae.

The search time will be reduced because of the maximum circular receiving range, the biggest search strip width and the GPS support system - an optimum for simple companion rescue.

For your safety the PIEPS VECTOR offers helpful options as GPS, compass or barometer for weather observation.

The PIEPS VECTOR is in accordance with the standard EN300718 and is compatible with all avalanche transceivers according to the standard.

PIEPS VECTOR – Made in Austria:
The brand PIEPS stands since 1972 for tradition, reliability and innovation in R&D of avalanche transceivers.

IMPORTANT! A transceiver cannot protect you against avalanches! A close study of avalanche prevention techniques is equally essential as is regular practicing for the event of an avalanche rescue. The basic rules of conduct in case of an emergency – as defined in the relevant specialist publications and in training sessions – must be observed without fail.

OPERATING CONCEPT

③

SWITCHING ON

Open the „PIEPS antenna“ of your PIEPS VECTOR entirely (position 180°) until it distinctly clicks into place and press the button „ON/OFF“ till the display lights up.



OPERATION LEVELS

If the PIEPS VECTOR is switched on, you can choose between three operation levels over the position of the „PIEPS antenna“ for intuitive use.

OPERATION LEVEL POSITION SEND: Close the „PIEPS antenna“ (Position 0°) till it distinctly clicks into place: The PIEPS VECTOR is now in SEND mode. The PIEPS VECTOR will transmit a continuous signal that can be received from all other beacons (according to the standard EN300718).

OPERATION LEVEL POSITION SEARCH: Open the „PIEPS antenna“ (Position 180°) till it distinctly clicks into place: The PIEPS VECTOR is now in SEARCH mode. If you close the „PIEPS antenna“ (Position 0°), the PIEPS VECTOR switches immediately into SEND mode again.

OPERATION LEVEL POSITION OPTIONS: Fold out the „PIEPS antenna“ into the position „SEARCH“ (180°) or „SEND“ (0°) and remain in the position „OPTIONS“ (90°). At system start you have to confirm the query for „OPTIONS / PIEPS BACKUP“ with „yes“ to use the entire additional functions for your safety (see chapter „QUERY MODE“).

ACTIVE MANUAL

Press the „SCAN“ button to get a description of the selected menu/function displayed. The font size can be changed with the buttons „+“ and „-“. Repress the button „SCAN“ to close the ACTIVE MANUAL. The language selection can be done in the menu „CONFIGURATION“. The ACTIVE MANUAL is not available in SEARCH mode.



OPERATING CONCEPT ④

SELF-CHECK

During every power on the PIEPS VECTOR is performing an automatic self-test to control all important functions. The fourth antenna sends a signal to check the receiving function.

IMPORTANT! Only perform self-test with entirely opened antenna to check receiving antenna function!

During the self-test a minimum distance of 5 meters to other beacons and electronic and magnetic interferences should be maintained. In case of indication of „Fail“ or „-“ for X-, Y-, Z-Receive during self-test check your environment for sources of interference (other devices) and repeat the self-check by restarting your PIEPS VECTORS in interference-free environment.

QUERY MODE: „OPTIONS“ AND „PIEPS BACKUP“

After the self-check you have to decide if you want to use additional functions (OPTIONS) or not.

IMPORTANT! The PIEPS VECTOR does not transmit in operation level OPTIONS (90°)! PIEPS recommends to use the PIEPS BACKUP – a mini transmitter that recognizes an emergency and starts sending only if there is no active transceiver close by. Further information can be found at www.pieps.com.

Select „yes“ to activate OPTIONS.
OPTIONS remain deactivated by choosing „no“.

Further information can be found in query mode:

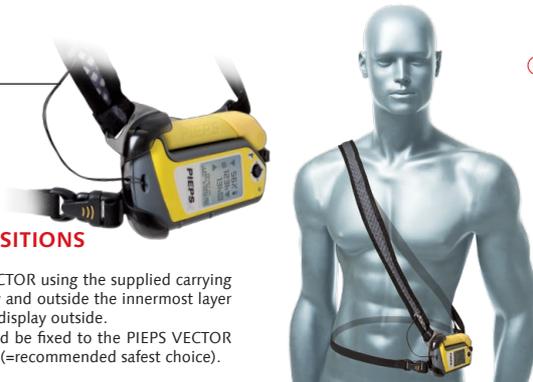
- User information: name, address, etc.
- Firmware version number
- Device serial number
- Icon for compass calibration.
- **IMPORTANT!** Icon is only indicated if calibration due to time or location change is needed.
- Icon for general user settings



SETUP ⑥

CARRYING POSITIONS

Carry your PIEPS VECTOR using the supplied carrying system on your body and outside the innermost layer of clothing with the display outside. The safety line should be fixed to the PIEPS VECTOR with an anchor knot (=recommended safest choice).



HANDLING WITH THE PIEPS VECTOR

All beacons are equipped with sensitive ferrite antennae and electronic components. Please handle your PIEPS VECTOR with care.

BATTERY INDICATION

The PIEPS Li-Ion battery allows exact indication of the remaining power capacity in hours!

SETUP ⑤

INITIAL SETUP

The PIEPS VECTOR is equipped with an environmentally friendly Li-Ion rechargeable battery. Connect the PIEPS „USB cable“ with the PIEPS „USB connector plug“ and plug it into the power supply system to charge your PIEPS VECTOR to 100%. Alternatively you can plug the device to the computer as well. During the charging process you can already start to setup your PIEPS VECTOR.

USER SETTINGS (MENU „CONFIGURATION“)

The icon „CONFIGURATION“ is indicated in the query mode after switching on the PIEPS VECTOR. Use the button „MARK/Joystick“ to perform your configuration and confirm with „OK“. Save your settings with „Save“ before leaving the configuration menu. The user settings can also be found in operation level OPTIONS (only with active additional functions).

The following configurations can be done:

- **GENERAL:**
Language: language selection for the ACTIVE MANUAL
Beacon Mode: Winter 457 on (standard setting: all beacon features are available) / Summer 457 off (only the menu „OPTIONS“ is available, beacon functions are deactivated)
Local Time Zone
- **UNITS:** GPS format, speed, distance, altitude
- **NAME:** Possibility to type in your personal data (name, address, telephone number, organization, etc.)

REGISTRATION: Register yourself and your PIEPS VECTOR at the PIEPS online portal www.pieps.net. Following options are provided:

- **Warranty extension:** extend the warranty of your PIEPS VECTOR from 2 to 5 years!
- **Software update**
- **Online device test**
- **Administration** of stored route data such as waypoints, tracks, altitude and speed profiles, etc.
- **Battery charging**

SETUP ⑦

INTERFERENCES

All beacons are very sensitive against electrical and magnetic interferences. Due to this all manufacturers recommend to maintain a minimum distance between avalanche beacons (digital/ analogue) and electronic, magnetic or metallic influences (radio, mobile phone, MP3-player, pulse watch, magnetic button, bunch of keys, etc.) or to switch off electronic devices! **Different electronic devices have different interference potential!** PIEPS recommends: • Minimum distance in SEND mode: 15 cm • Minimum distance in SEARCH mode: 1,5 m; *More information and official recommendation can be found at www.pieps.com.*

IMPORTANT! Users of pacemakers are advised to carry the PIEPS VECTOR on the right side and adjust the carrying system. Regarding impacts on the pacemaker please see manufacturer's instructions.

GROUP CHECK & BEACON CHECK

During every power-on the PIEPS VECTOR is performing a self-test to check all important functions. See chapter „SELF-CHECK“.

Frequency check: Check the transmitting frequency of your partners on tour with the PIEPS VECTOR! Also see „Frequency check“ in chapter „SYSTEM MENU IN SEARCH MODE“.

IMPORTANT! Only beacons that transmit according to the standard can be received from conforming to standard beacons! Old beacons and crashed beacons could transmit outside of the standard 457 kHz +/- 80 Hz.

The **one-way group-check** (transmit check) or the **two-way group-check** (transmit and receive check) are strongly recommended before each tour!



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SEND-MODE

On tour make sure that the device is in SEND mode. The PIEPS VECTOR transmits a continuous signal according to EN300718 that can be picked up from all other beacons (according to EN300718).

The active SEND mode is shown with a flashing LED indicator above the button „MARK/Joystick“.

IMPORTANT! Additionally to the complex self-check the beacon-group-check is strongly recommended before each tour! See chapter „GROUP CHECK“.

BATTERY INDICATION

The PIEPS Li-Ion battery allows to display the exact available power capacity:

- % indication of remaining power capacity
- Number of remaining hours in SEND mode
- Number of remaining hours in SEARCH mode

Example: 97% power capacity means 223 h transmitting or 19 h receiving



With this exact battery indicator you can estimate the power reserve of your PIEPS VECTOR exactly.

If your PIEPS VECTOR indicates 1%, then you still have a reserve of 20 hours in SEND mode (at +10°C) followed by 1 hour in SEARCH mode (at -10°C) according to the standard. In this case the menu „OPTIONS“ is not available.

PRACTICE

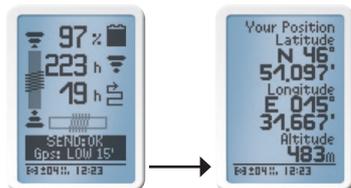
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POSITION COORDINATES

The current position coordinates are updated according to the GPS setting. Press the button „MARK/Joystick“ and the PIEPS VECTOR indicates the „Geographic coordinates“ in easily readable big letters on the display.

With the button „MARK/Joystick“ ▼ the current position can also be displayed in the format „UTM“ or „Swiss Grid“. Press the button „MARK/Joystick“ ▲ to switch back into the SEND mode.

In case of emergency the coordinates can be reported immediately and easily to the rescue team – every second counts!



Press button „MARK/Joystick“

PRACTICE

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GPS SUPPORT

In SEND mode the GPS track during the tour (TRIP) will be permanently recorded for your safety, your orientation and for later processing on the computer. The accuracy depends on the selected setting.

SYSTEM MENU IN SEND MODE

Open the „PIEPS antenna“ and press the button „ON/OFF“ to open the system menu. Select the standard settings (brightness/contrast/sound volume) and also the accuracy for GPS-tracking.

GPS-TRACK LEVEL

GPS „off“	All GPS functions are switched off.
GPS „low“	The recording interval is 1 position memory / 15 minutes. This is the standard setting of the PIEPS VECTOR. In this GPS-sleep-mode all features of the GPS-support are active for the case of emergency.
GPS „eco“	The recording interval is 1 position memory / 1 minute.
GPS „high“	The recording interval is 1 position memory / second – maximum tracking accuracy.
GPS „auto-high“	This mode can be activated from the levels „eco“ or „low“. Press the button „MARK/Joystick“ for 3 seconds – a waypoint will be saved automatically and the PIEPS VECTOR is recording the current track for the next five minutes in level „high“. The start and end is signaled with an acoustic sound. Important sections can be recorded simply and exactly for your safety in that way.

PRACTICE

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SMART TRANSMITTER

The smart transmitter accelerates the rescue in case of an emergency – you will be found more easily and quickly!

Automatic switching of transmitting antennae

It is always the strongest antenna that is transmitting at the PIEPS VECTOR. If the PIEPS VECTOR measures interferences at the active transmitting antenna (mobile phone, radio, magnet, metal, etc.) or a reduction of signal strength (e.g. antenna burst), the PIEPS VECTOR automatically switches to the intact/stronger antenna.



x-antenna transmits



y-antenna transmits

iPROBE Support

The transmitting signal of the PIEPS VECTOR can be temporarily deactivated by the intelligent probe iPROBE or iPROBE ONE – automatically the next strongest signal will be indicated on the searcher's transceiver. In case of a burial with the PIEPS VECTOR as transmitter, you will be found and rescued faster.

More information can be found in the menu „KNOW-HOW“ at www.pieps.com.



PRACTICE

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IN CASE OF EMERGENCY

A victim has the best chance to get rescued if the not buried companions work efficiently as a team to search and rescue their companion. In the event of an accident, the most important considerations are **STAY CALM, OBSERVE, MAKE THE EMERGENCY CALL and RESCUE!**

- Determine the search area and last point seen:** How many victims are buried? Are there several companions ready to engage in rescue? The most experienced person takes over assignment and management.
- Call emergency services:** Dial 112 (EU) if this is possible without losing time. Tell the current coordinates indicated at your PIEPS VECTOR – every second counts!
- Establish search areas:** Where are the probable burial locations?
- Visual Sweep Search:** Search for the avalanche cone with your eyes and ears.
- Search with avalanche transceiver:** Switch off non-searching avalanche transceivers.
- Depth measurement:** Check the search results. Leave probe in place. Deactivate the avalanche transceiver using PIEPS iPROBE by means of iPROBE support.
- Dig:** Start digging at a distance from the probe equal to the indicated depth of burial. Dig over a large area. Watch out for any breathing cavity (air pocket) by the victim.
- Rescue and first aid:** First clear the face and airways. Protect from cold.

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MAP MODE (AUTOMATIC)

During the search for initial detection the PIEPS VECTOR indicates an overview map with black background on the display. The rescuer is indicated in the center with „x“. A white circle margins the maximum receiving range. This circle moves with every movement through the display and already searched areas are displayed in „white“. Zoom in and out with the buttons „MARK/Joystick“ ▲ and „MARK/Joystick“ ▼. As soon as the first transmitter signal is inside receiving range, the PIEPS VECTOR switches automatically from MAP mode into FIND mode and the strongest signal is indicated with direction and distance on the display.



IMPORTANT! To avoid confusions during the rescue („suddenly another transmitter“) and failure findings in case of a secondary avalanche („snatched away beacon starts to transmit“), the PIEPS VECTOR does not include the automatic switching function „search-to-send“. To be best equipped in case of a secondary avalanche, use the PIEPS BACKUP.

COARSE SEARCH – SEARCH FROM INITIAL DETECTION

As soon as the PIEPS VECTOR picks up signals (457 kHz), the distance and direction to the strongest signal is indicated on the display. All transmitting signals within the maximum receiving range of the PIEPS VECTOR are received and processed simultaneously.

Using the arrow and distance reading, follow the strongest of the received signals along the field lines. Move in the direction indicated by the arrow. The distance reading should decrease progressively. In case of increasing distance number, turn around 180° and follow the opposite direction.

IMPORTANT! When working in the SEARCH mode, remain calm and concentrated and avoid hasty movements!

PRACTICE

SEARCH MODE

Open the „PIEPS antenna“ (Position 180°) till it distinctly clicks into place. The PIEPS VECTOR is immediately in SEARCH mode. For best performance a short tuning of the receiving antennae is done.

GPS SUPPORT IN SEARCH MODE

The GPS functions cannot be used actively by the rescuer in SEARCH mode! In the background the search is supported with the following GPS functions: • the accurate recording and indication of the searched area in MAP mode. • the accurate indication of the distance travelled and all „marked“ transmitters in MAP mode.

SIGNAL SEARCH – SEARCH FOR INITIAL DETECTION

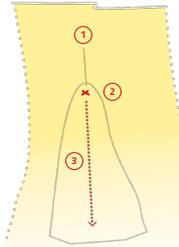
Observe the course of the avalanche and make an exact mental note of where the victim was hit by the avalanche (1) and was last seen (2). The extension of these points indicates the flow direction (3) of the avalanche! The primary search area is to the left and right of this.

You are now starting with the search for initial detection. The PIEPS VECTOR has a circular receiving range and allows a correct direction and distance indication from the point of first signal (no special method of operation necessary). To find the first signal walk along the defined search area in the stated search-strip width quickly. The recommended search strip width is 50 m.

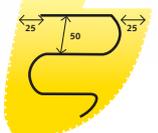
More information about search strip width and „useful range“ can be found in the menu „KNOW-HOW“ at www.pieps.com.



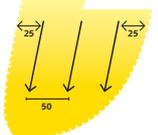
- Point of impact
- Point of disappearance
- Flow direction



One rescuer for signal search



More rescuers for signal search



PRACTICE

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Permanent-Scan: The number of burials within the receiving range is indicated in the boxes on the display (max. 4). The strongest signal is shown in the left upper box. To every received transmitter the distance in meters and the direction is indicated permanently. Therefore every rescuer/every responsible leader has an overview for a fast rescue.

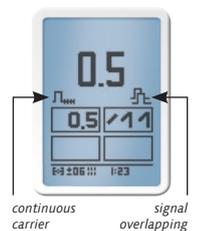
IMPORTANT! For physical reasons several transmitters cause signal overlapping. In case of a longer overlapping period it may happen that one or more of the indicated transceivers shortly disappear from the display. The current situation is exactly presented by the PIEPS VECTOR!



Permanent scan in multiple burials: distance and direction on the basis of 457 kHz

Signal overlapping: is noticed by the PIEPS VECTOR and indicated with a symbol.

Continuous carrier: old transceivers with disturbing continuous carriers are displayed with a symbol as well.



continuous carrier signal overlapping

MAP MODE (MANUAL)

Press the button „SCAN“ to switch into the MAP mode manually and you get an overview map with all marked transmitters as well as the distance travelled and the searched area. Zoom in and out with the buttons „MARK/Joystick“ ▲ and „MARK/Joystick“ ▼. Press the button „SCAN“ again to switch back into FIND mode.



PRACTICE

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FINE SEARCH

When you are closer than 5m to the burial, it's strongly recommended to reduce pace to max. 1 footstep per indication update (depends on the type of buried beacons, approx. 0,5 - 1,3 sec.). Keep the PIEPS VECTOR as close as possible to the snow surface to get a minimum distance to the transmitting beacon.

To avoid confusion, the direction indication disappears at distances less than 2m. Following your last known direction, keep on moving until the distance reading starts increasing again. Return to the point with the minimum distance indication.

Starting at this point, find the lowest distance indication by using cross-like movements. Independent of the transmitting beacon's position, the PIEPS VECTOR only shows one distance minimum!

IMPORTANT! It's strongly recommended to avoid hasty movements (10 cm/sec). The dynamic acoustic signal (signal and interval) supports the fine search.

MARK FUNCTION IN MULTIPLE BURIALS

The optimized search in multiple burials is based on a separation of signals via the digital ARM signal processor, GPS and simultaneously measurement of the receiving antennas. By default, the PIEPS VECTOR will automatically search for the strongest signal. Once the position of the first burial has been located by fine search, press the button „MARK/ Joystick“ without moving away from this point. The grey marked box indicates a successful marking. Automatically the marked transmitter is saved as a „waypoint“ – the box indicates GPS direction and distance. The PIEPS VECTOR will automatically indicate the second strongest signal. While the companions start digging, continue the search and repeat the procedures until all transceivers are located.



3,7m GPS direction to the marked transceiver

7,5m field line direction to the marked transceiver

OPTIONS PIEPS VECTOR

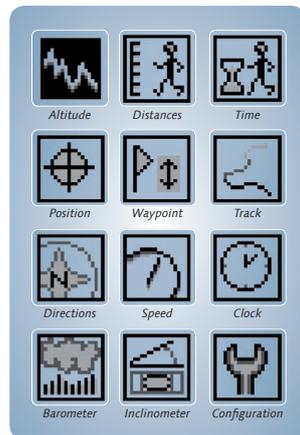
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Fold the „PIEPS antenna“ in the position „SEARCH“ (180°) or „SEND“ (0°) and remain in the position „OPTIONS“ (90°). You have to confirm the query for „OPTIONS / PIEPS BACKUP“ with „yes“ at system start to use the entire additional functions for your safety.

Navigate and confirm inside the menu with the button „MARK/Joystick“. As soon as the „PIEPS antenna“ is in the position „SEARCH“ (180°) or „SEND“ (0°), the PIEPS VECTOR switches into the selected mode.

Press the button „SCAN“ to open the ACTIVE MANUAL and get a detailed description for the selected function.

IMPORTANT! In OPTION mode the PIEPS VECTOR is not transmitting. Only use this function in combination with a PIEPS BACKUP!



DETAIL MENU IN OPTION MODE

This provides standard and special functions for each submenu.



Detail menu in the submenu „Altitude“

PRACTICE

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Reset of single marked signals: The strongest, already marked signal can be „demarked“ within a range of 5 m. Therefore press the button „MARK/Joystick“ again for 3 seconds.

Reset of all marked signals: Option A: fold the „PIEPS antenna“ into SEND mode and back into SEARCH mode. Option B: Open the system menu in SEARCH mode by pressing the button „ON/OFF“ and select „Reset“. This option also clears the search track.

SYSTEM MENU IN SEARCH MODE

Press the button „ON/OFF“ to open the system menu. Use the button „MARK/Joystick“ for navigation and select one of the following functions:

GPS position: indication of position coordinates.

Frequency check: The frequency of the strongest (closest) beacon is measured. The deviation from the standardized frequency 457kHz is indicated in Hz. Additional indications are the period length and the range to the measured beacon.

IMPORTANT! Check the transmitting frequency of your partners on tour regularly. According to the standard EN300718 a beacon must transmit within the range of 457 kHz +/- 80 Hz. Ideal and technically reasonable is a maximum deviation of +/- 30 Hz.

TX600: The PIEPS TX600 is a mini-transmitter for dogs and equipment that is transmitting outside of the standard EN300718. With activated function the PIEPS VECTOR switches into the TX600 mode and indicates the direction and distance to the strongest TX600 signal. To deactivate the TX600 search switch the PIEPS VECTOR into the SEND mode and then back into the SEARCH mode or use the system menu.

IMPORTANT! In the standard SEARCH mode the PIEPS VECTOR does not indicate the TX600. Active search operations are never influenced. A detection is only possible in immediate vicinity (<1 m).

Reset: Resets all marked beacons and the current track.

Auto-Map: Activates or deactivates the automatic switching from MAP mode into FIND mode and vice versa.

OPTIONS PIEPS VECTOR

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Altitude	Distances	Time
Shows current altitude and summary of height meters of ascent and descent.	Shows the distances in relation to the current position: total distance travelled, distance travelled from last waypoint, distance to target.	Shows the following times: Total time on tour and time from last waypoint.
Position	Waypoint	Trips & Tracks
Shows the current position and the current altitude.	Includes the waypoint list sorted by distance from the current position. Includes „goto function“.	Includes a list of daily trips sorted by date and number of tracks per daily trip. Includes „trackback function“.
Directions	Speed	Clock
Shows the following directions: The current deviation to north-direction (bearing) and the direction to the selected target-waypoint.	Shows the following speeds: current speed, maximum speed, average speed.	Shows the current time. In GPS receiving range the clock calibrates automatically.
Barometer	Inclinometer	Configuration
Shows barometric altitude, GPS altitude (GPS), absolute pressure (air) and sea level pressure (sea) for permanent weather observation.	Digital inclinometer.	Make changes of basic user settings such as language, time zone, name, units, etc. (also see chapter „SETUP“)



BATTERY

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SWITCHING OFF

Keep the button „ON/OFF“ pressed to open the menu „OFF“. Use the button „MARK/Joystick“ to select one of the following functions:

Accu Calibration: To guarantee the exact indication of the battery status the battery should be calibrated every 30 load cycles (complete charging/discharging) or at the beginning of the winter season. This process can take up to 24 hours. We recommend starting this process at low battery capacity.

IMPORTANT! For this process connect the device with the power grid!

Power OFF: Turn off the PIEPS VECTOR.

Note: To guarantee maximum storage periods in POWER OFF mode the unit falls into a „deep sleep mode“. In this mode no air pressure measurement is done, the clock runs for another 30 days. When the device is turned on again, the GPS connection setup can take a little time.

OFF 24h Standby: Switch the PIEPS VECTOR into a 24 hours standby mode. In this mode air pressure measurement is done continuously and saved for the air pressure gradient. The clock keeps on running too.

TECHNICAL DATA

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Device designation	PIEPS VECTOR
Transmission frequency	457 kHz (EN 300718)
Power supply	Li-Ion battery 1300mAh (combinable with alkaline-battery-adapter)
Battery lifetime	min. 200 h SEND mode
Maximum range	60 m
Search strip width	50 m
Temperature range	-20°C to +45°C
Weight	200 g (incl. Battery)
Dimensions (LxWxH)	132 x 75 x 26 mm

Warranty Conditions: The manufacturer warrants this product is warranted against processing and material defects from date of purchase for a period of 2 years for PIPES VECTOR or 6 months for wear parts (batteries, charger, headsets, cables and other included accessories). This warranty does not apply to damage caused by incorrect use, dropping or dismantling of the device by unauthorized persons. Any further warranty or liability for consequential damage is expressly excluded. Warranty claims should be addressed - enclosing the receipt of purchase - to the relevant sales outlet.

PIEPS warranty extension free of charge: Extend the warranty of your PIEPS VECTOR from 2 to 5 years: with the PIEPS warranty extension you have the possibility to extend the standard warranty of your PIEPS VECTOR free of charge. Simply register online at www.pieps.net and get your warranty certificate for 5 years valid from the date of purchase. You can save on repair costs and valuable time. The warranty can be extended within 3 months from the date of purchase.



Certification: Warning: Any changes or modifications not expressly approved by the manufacturer, responsible for compliance, could void the user's authority to operate this device! **Europe:** Manufacturer: PIEPS GmbH; Country of manufacture: Austria; Device type: PIEPS VECTOR; **Canada:** IC: 7262A-VECTOR01; **USA:** FCC ID: REAMVECTOR01; this device conforms to paragraph 15 of the FCC regulations and IC RSS-210. Operation is subject to the following two conditions: 1) this device may not cause harmful interference, and 2) this device must accept any external interference, even if the device itself is temporarily disturbed in its function. **Conformity:** PIEPS GmbH declares hereby, that the product PIEPS VECTOR fulfills all requirements and regulations of directive 1999/5/EC1. The declaration of conformity can be downloaded at the following source: <http://www.pieps.com/certification-vector.pdf>
Manufacturer, Sales & Service: PIEPS GmbH, Parkring 4, 8403 Lebring, Austria, office@pieps.com, www.pieps.com

BATTERY

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MANUFACTURER RECOMMENDATIONS FOR WORKING WITH LITHIUM-ION BATTERIES

Battery charging: Plug the „connector“ to your PIEPS VECTOR. Charge your PIEPS VECTOR by connecting it via the „USB cable“ and the „USB connector plug“ with the grid connection. You also can charge your PIEPS VECTOR with all standard USB charging stations (e.g. solar, computer, etc.).

Storage and temperature: Store your batteries in a cool place. Avoid storage of a fully charged battery in close to high temperatures to avoid permanent damages of the cells. During a longer time of no use charge your PIEPS VECTOR up to 100%. You increase the lifetime of the battery if you charge the PIEPS VECTOR 6 hours before using it again.

Battery exchange:

Only PIEPS and an authorized service center are allowed to exchange batteries.

User Policies:

- Avoid frequent complete discharge because this leads to battery load.
- Through the charging of partial charged batteries no memory-effect occurs.
- Keep the Lithium-ion battery at a cool place and avoid storage in overheated areas.
- During a longer time of no use charge the battery at least for 6 hours.
- Only use recommended charging stations and not defective batteries or charging stations.
- Don't throw batteries into fire.
- Don't remove, modify or short-out the battery.
- Avoid impact to the battery.
- Avoid the contact with water or humidity.
- Batteries have to be recycled or disposed properly. They belong to domestic waste.

