11/08

iPROBE CARBON

.... elektronische Lawinensonde

... electronical avalanche probe

..... sonde d'avalanche electronique

..... sonda da valanga elettronica

DEAR FELLOW MOUNTAINEER / SKIER!

We're delighted that you have chosen to purchase an electronic avalanche probe PIEPS iPROBE! The PIEPS iPROBE is designed to validate a prior pin-pointing and additionally to determine the position of a buried victim. Together with an avalanche transceiver and an avalanche shovel it belongs to the recommended standard avalanche safety gear of back country skiers, freerides or mountain rescuers! The electronic PIEPS iPROBE together with an avalanche transceiver PIEPS DSP or PIEPS Freeride and a PIEPS Shovel form the unique PIEPS safety system which offers the most effective solution for companion rescue.

A thorough under-standing of the topic of avalanche prevention is just as indispensable as regular practice of victim search in accident situations. In cases of multiple burials in combination with transceivers other than PIEPS DSP and PIEPS Freeride, it's recommended to use, to practice and to apply well published general search strategies and search methods.

1. iPROBE handle
2. The **optical target indicator** is blinking while approaching *each* avalanche transceiver
3. The **acoustical target indicator** is "beeping" while approaching *each* avalanche transceiver. Once the distance is getting closer than 50 cm -> continuous tone
4. **Button MARK:** Deactivate/ activate the located transceiver with iPROBE support
5. **Quick-closing latch** for efficient assembly of the probe
6. **Robust tubes** made of extremely light and high quality carbon fiber – space saving collapsible using the mounted velcro strap
7. **Coating for perfect grip** – even with winter gloves
8. **Printed centimetre-graduation** to estimate burial deep and to assist getting snow profiles
9. **Probe Tipp** with integrated electronic – *locates all different avalanche transceivers*

OPERATION OF THE IPROBE

Following the successfully pin pointing, done with your avalanche transceiver:

- Just turn the main switch on your iPROBE to "ON". The iPROBE performs a self test > 1. Long LED flash and long tone is emitted > 2. ready status is indicated by a short click every 2 seconds – now you can start with grid shaped probing perpendicular to the snow surface.
- A fast series of 8 beeps directly followed the power-on self test indicated low battery capacity. In case of detected errors during the self test, the fast series of beeps is repeated continuously.
- Probing length mechanically: 2,20m; Probing length total: max 4m (mechanically + electronic target range)
- The visual and acoustical indication depends on the distance of the probe tip to the victim's transmitting beacon: Distance > 2m: no indication, only function ready (short click every 2 sec.) Less than 2 m: visual and acoustical indication according to the received signal. Once the probe Tipp is getting closer than 50cm to the transmitting beacon, a continuous tone („Piiiiiiiiiiiiiip") and a continuous light of the optical indicator shows you a target hit! **The indication of a target hit and a target approach is working with all transceiver which is working according the current standards.**

Leave transponder in place. Keep probe in place. Deactivate the transmitting beacon with the iPROBE ("Mark"): Piep-Piep-Piep-Piep-Piep – – – Piep-Piep-Piep-Piep-Piep. If the located transceiver fully supports the PIEPS iPROBE, it's transmitting signal is switched off temporarily and the first victime disappears from the searching transceiver. In this case beacons like PIEPS DSP or PIEPS Freeride will guide you automatically to the next strongest signal (buried victim). Pressing the "MARK" button for more than 2 sec. or removing the iPROBE from the close-up range (>50cm) the beacon starts transmitting again.

Avalanche beacons with iPROBE support: PIEPS DSP with release 5.0 (or higher), PIEPS REERIDE

IN THE EVENT OF AN ACCIDENTS

A victim has the best chance of being rescued if the largest possible number of companions in a given group have not been buried and work efficiently as a team on the task of rescuing their companion. In the event of an accident, the most important considerations are **STAY CALM, OBSERVE, RAISE THE ALARM.**

(1) Determine location of coverage and disappearance
How many victims buried? Are there several companions ready to engage in rescue? The most experienced person takes over assignment and management –
see PIEPS DVD "Slab avalanche – what to do?"

(2) Call emergency services
Dial 112 (EU), if this is possible without losing time.

(3) Establish search areas
Where are the probable burial locations?

(4) Surface search
Search for the avalanche cone with your eyes and ears.

(5) Search with avalanche transceiver
Switch off non-searching avalanche transceivers.

(6) Depth measurement
Leave transponder in place. Keep probe in place.
Deactivate the transmitting beacon with the iPROBE ("Mark")

(7) Dig
Start digging at a distance from the transponder probe equal to the indicated depth of burial. Dig over a large area. Watch out for any breathing cavity by the victim.

(8) Rescue and first aid
First clear the face and airways. Protect from cold.

IMPORTANT! *Ensure that, during search, there are no electronic devices (e.g. mobile phones, radio equipment etc.) or massive metal items in the immediate vicinity. The fundamental rules for the procedure in the event of an accident, in line with relevant technical publications and material from avalanche training courses, must be complied with.*

MULTIPLE BURIALS

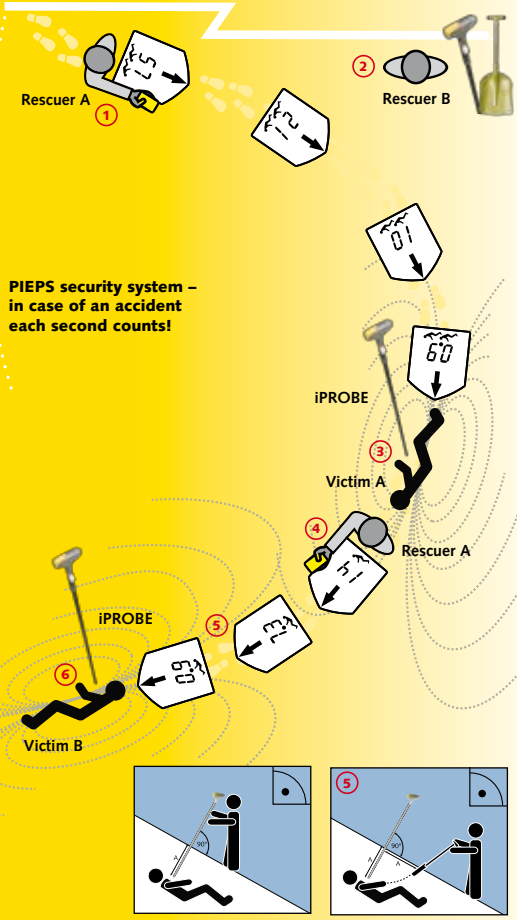
SOLUTION WITH THE PIEPS SAFETY SYSTEM:

Situation: 2 burials having transceivers with PIEPS iPROBE-Support (PIEPS FREERIDE and PIEPS DSP 5.0). Two rescuer are equipped with the PIEPS safety system: Rescuer A with PIEPS DSP 5.0, electronic probe PIEPS iRPOBE, shovel PIEPS PRO. Rescuer B with PIEPS FREERIDE, electronic probe PIEPS iPROBE, shovel PIEPS PRO.

The two rescuers organize themselves (see "IN THE EVENT OF AN ACCIDENTS") and start searching using the given search strip with.

(1) Rescuer A is he first who gets a signal and follows the direction indication to victim A.
(2) Rescuer B is unpacking his shovel PIEPS PRO and his electronic PIEPS iPROBE from the safety gear compartment of his backpack PIEPS MYOTIS, gets ready to work and hurries to rescuer A.
(3) After successfully pin-pointing with his 3-antenna transceiver PIEPS DSP (only one maximum) rescuer A starts grid-shaped probing with the electronic PIEPS iPROBE. The acoustical continuous tone of the iPROBE and the light indication validates the probe hit (<50cm to the target). Now rescuer A presses the MARK button which deactivates a further transmission of the beacon (only working with PIEPS iPROBE support) of victim A.
(4) Automatically the display if the PIEPS DSP from rescuer A is guiding directly to the next buried victim. Now the display shows "only 1 victim".
(5) While rescuer A is taking the probe from rescuer B, following the direction indication of his PIEPS DSP guiding to the next victim B, rescuer B starts to dig and recover victim A.
(6) Rescuer A now is hurrying to victim B. After pin pointing he is probing again until he has found the victim. The PIEPS iPROBE again validates the hitting of the victim. He immediately starts to dig out and to recover the victim.

Fastest possible reception of a first signal due to the all-around range of the PIEPS DSP – most accuratpin pointing due to the 3 antenna system from PIEPS, validation of a target hit while probing using the PIEPS iPROBE – indication of the next strongest signal on the PIEPS DSP – efficient and easy shovelling using shovel PIEPS PRO.


Rescuer A
1
2
Rescuer B
PIEPS security system –
in case of an accident
each second counts!
iPROBE
3
Victim A
4
Rescuer A
iPROBE
5
6
Victim B

SPECIFICATIONS

TECHNICAL DATA	
Devise designation:	PIEPS iPROBE
System:	Electronic avalanche probe with high quality carbon tubes
Receiving frequency:	457 kHz (intern. transceiver standard)
Power supply:	1 Battery, Alkaline (AA), LR6, 1,5V
Battery lifetime:	min. 250 h
Approaching range (target indication):	approx. 2m
Range target hit:	0 to approx. 50 cm
Temperatur range:	-20°C bis +45°C
Weight:	approx. 340 g incl. battery
Probing length:	220cm (mechanically)
Probing length total:	approx. 4 m (mechanically + electronic target range)

WARRANTY CONDITIONS

- The device is guaranteed by the manufacturer against defects in material and workmanship for a period of two years from the date of purchase.
- This warranty does not apply to damage caused by incorrect use or normal wear and tear.
- 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 or directly to PIEPS.

CERTIFICATION: Warning: Any changes or modifications not expressly approved by the manufacturer, responsible for compliance, could void the user's autority to operate this device. **Europe:** Manufacturer: PIEPS GmbH, Country of manufacture: Austria; Device type: PIEPS iPROBE; **Canada:** IC: 310; **USA:** FCC ID: REMIPROBE01, This device conforms to Paragraph 15 of the FCC regulations. Operation is subject to the following two conditions: **1)** This device may not cause harmful interference, and **2)** this device must accept any interference received, including interference that may cause undesired operation.

CONFORMITY: PIEPS GmbH declares hereby, that the product PIEPS iPROBE fulfils all requirements and regulations of directive 1999/5/EC! The declaration of conformity can be down-loaded at the following source: http://www.pieps.com/certification_pieps.pdf

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PREMIUM ALPINE PERFORMANCE

HERSTELLER / MANUFACTURER

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