

Avalanche Training Center ATC

with Remote Control and Probe Hit Feedback

Avalanche beacons are intended for rescue by companions. They permit to locate and recover buried persons immediately after the avalanche occurred. The recovery of buried persons is a race against time. **Therefore, the search by means of avalanche beacons must be well practiced in advance.** The digital avalanche beacons that appeared on the market in recent years make no exception. A person not familiar with beacon search will lose precious time. The new training systems permit to practice avalanche search under realistic conditions, which was almost impossible before.



Training site of Davos/Switzerland



Control unit with information board



Beacon search and probing on the training grounds

The training site should be located in an area of about 100 x 100 meters and on a moderately steep slope **representing a typical avalanche runout zone**. Within this area, up to 16 avalanche beacon transmitters will be buried at various depths. These transmitters have been designed **to remain in the snow for a full season** before the batteries need to be replaced. The transmitters can be activated and deactivated via radio signals by means of a control unit. This allows for very realistic practice, since the trainees will not know about the location of the buried transmitters. Furthermore, the transmitter(s) to be activated **may be selected at random** by the control unit. Multiple burial situations are thus easy to simulate and practice.

There is no need to dig out the beacon transmitters after fine search, since the final location is done by probing. To guarantee realistic probing, every beacon transmitter is connected to a target surface of about 40 by 60 cm. **A probe hit will be detected and signalled.** As soon as the searching person hits the target surface with a probe, the transmitter's signal is muted for 16 seconds. Also, the probe hit is communicated to the control unit which then provides an optical and acoustical hit indication.

Avalanche Training Center ATC

with Automatic Feedback for Probing Hits

Main Features

- Permanently installed or portable control unit
- Up to 16 remote controlled avalanche beacon transmitters with battery autonomy of about 6 months (one full season)
- Compatible with all types of avalanche beacons
- For single and multiple burials situations
- Probe hit indication on the searching person's beacon as well as on the control unit
- No maintenance required

Control Unit FCU for Permanent Installation

- Accessible to the general public at all the times
- Weatherproof and robust construction
- Operates on 6 standard 1.5 V alkaline batteries (Size D)
- Individual ON/OFF control of the transmitters as well as random selection of up to 3 transmitters
- Indicators for active transmitters as well as for probing hits
- Built-in Timer 1...20 min.

Portable Control Unit MCU

- Robust construction, splash water proof
- Operates on a standard 9 V battery
- Individual ON/OFF control of the transmitters as well as random selection of up to 5 transmitters
- Indicators for active transmitters as well as for probing hits
- Built-in Timer 1...20 min.

Remote Control Avalanche Transmitters RTX 457 LT

- Waterproof and robust construction, to be buried for an entire winter season
- Multiple transceiver patterns selectable (Barryvox, Ortovox, Tracker, Pieps, etc.)
- 40 by 60 cm target surface for probing
- Automatic indication of probe hits to the searching person's beacon as well as on the control unit (FCU and MCU)



Avalanche Transmitter RTX 457 LT with target for probing



Permanently installed control unit FCU for 16 avalanche transmitters with indicators for the currently activated transmitters including probing hits



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Portable control unit MCU for 16 avalanche transmitters with indicators for the currently activated transmitters including probing hits



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