

GIRSBERGER

Mountain Rescue Technology



Mobile Transceiver Search Training System RTX457

Technical Data & Information





TRAINING

Mobile Transceiver Search Training System RTX457

The RTX457 transceiver training system is a mobile system for training transceiver and probe search. It is best suited for trainings as well as for transceiver tests or winter sport events.

The system has been proven for a long time and has been overhauled completely in the year 2015. Some innovative solutions provide ease of use and instant readiness.

The system can be used with two to six transmitters. The transmitters emit exactly the same signals as do standard avalanche transceivers.

The remote control allows for turning individual transmitters on and off and for setting their transmit pattern. In addition to the standard mode, there is an expert mode. Modes can be alternated at any time.

For standard mode, all transmitters are set up with a pattern that provides a short (70 to 120 ms) pulse duration. This corresponds to most of the devices that are currently on the market.

For expert mode, all transmitters are set up with a pattern that provides a long (240 to 320 ms) pulse duration. This corresponds to older devices.

This allows for simulating simple and complex burial scenarios, including multiple burials. Probe hits on the buried transmitters will be indicated on the remote control.

AREAS OF APPLICATION: Ski Huts, Ski Schools, Mountain Rescue, Mountain Guides

Mobile Transceiver Search Training System RTX457

Main Features

- Individual transmitter activation and configuration
- Automatic probe hit indication
- Probing surface combined with transmitter case
- Elastic probing surface for realistic probing
- Simulates transmit patterns of all current transceivers
- Constant transmitter strength over battery lifetime
- Reducible transmitter field strength
- Using off-the-shelf Alkaline batteries
- Long standby and use hours
- Compatible with all brands of transceivers (EN 300718)
- Meets all European and national regulations
- Professional and robust construction
- Two, four, five or six remotely controlled transmitters
- Easy operation, immediately ready for use
- Developed and made in Switzerland



Technical Data

Transmitter RTX457

Transmit Frequency:	457 kHz + / - 30 Hz
Transmitter Field Strength:	ca. 2,0 mA/m at a distance of 1 meter
Remote Control Frequency:	433,92 MHz (ISM Band)
Compatible with:	ETS 300718
Power Supply:	4 Alkaline Batteries 1,5 V Type IEC LR6 (size AA)
Battery Lifetime:	ca. 100 hrs.
Casing:	Plastic
Dimensions:	264 x 267 x 52 mm
Protection:	IP 67 (waterproof)
Operating Temp. Range:	- 25 to + 50 Degree Centigrade

Remote Control MCU

Remote Control Frequency:	433,92 MHz (ISM Band)
Range:	ca. 100 m
Power Supply:	1 Alkaline Block Battery 9 V Type IEC 6LR61
Dimensions:	150 x 65 x 35 mm
Protection:	IP 65 (splash water proof)
Operating Temp. Range:	- 25 to + 50 Degree Centigrade

Comparison table

Main Features	ATC	RTX457
Up to sixteen remotely controlled transmitters	●	
Mobile System with 2, 4, 5 or 6 transmitters		●
Random or individual transmitter selection	●	●
Random or individual transmitter selection	●	
Automatic probe hit indication	●	●
Configurable transmit patterns	●	●
Simulates transmit patterns of all current transceivers	●	●
Probing surface combined with transmitter case	●	●
Elastic probe hit surface for realistic probing	●	●
Reducible transmitter field strength		●
Compatible with all brands of transceivers (EN 300718)	●	●
Operation with standard alkaline batteries	●	●
Battery lifetime for an entire winter season	●	
Constant transmitter strength over battery lifetime	●	●
Single or multiple burial search scenarios	●	●
Search time indication	●	
Number of exercises readout at any time	●	
Range at least 150 m	●	
Information board with transceiver search phases and short instructions	●	
Professional and robust construction	●	●
Easy operation	●	●
Easy operation, immediately ready for use		●
Meets all European and national regulations	●	●
Developed and made in Switzerland	●	●



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CE

All components of the Mobile Transceiver Search Training System RTX457 have been developed and manufactured in Switzerland.

Girsberger Elektronik AG will always strive to deliver top quality equipment.

Designations, measures and construction details subject to change without notice.

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