

## Instruction Manual: Additional Information for the Model SWT-1S

The following terms supplement the information in the instruction manual for the Swiss-Trac model SWT-1S:

**The Swiss-Trac model SWT-1S was developed for use on predominantly flat terrain.**  
The maximum permitted incline for the SWT-1S compared with the SWT-1 is only 12 %. This does not allow for drives in particularly hilly terrain.

### Safety Instructions

#### Trailing Load and Gradability

The maximum trailing load of 120 kg must not be exceeded under any circumstances. The maximum gradability of 12 % depends on the ground surface.

→ See instruction manual p. 4

If the incline is too steep or the trailing load too great, a beep signal is sounded and the Swiss-Trac automatically slows down. Reduce the speed immediately using the gas stick, otherwise the Swiss-Trac shuts off within 5 seconds and must be turned off and on again with the ignition key. Please avoid overstressing the Swiss-Trac in this way, as it does reduce the device's service life.

#### Road Traffic Approval

In Switzerland no approval test is currently required.

The Swiss-Trac SWT-1S can reach a speed of 9 km/h. E.g. in Germany an operating permit from the relevant authority for road traffic use is required, as well as insurance, tail lights and reflectors in accordance with the road traffic licensing regulations (StVO).

The user is responsible for the fee-based individual assessment and acquiring insurance for the combination.



## Driving and Controlling Speed

You can preselect the maximum speed using the fast / slow toggle switch: 4.5 km/h on level 1 and 9 km/h on level 2.  
→ See instruction manual p. 8

## Transport by Car

Always change the speed to level 1 with the fast / slow toggle switch to load the Swiss-Trac into the car using the loading ramps.  
→ See instruction manual p. 18

## Transport by Plane

The Swiss-Trac SWT-1S weighs 70 kg.  
→ See instruction manual p. 20

## Tyre Equipment

Air pressure of the tyres, rear wheel: 1.5 bars.  
Only cross profile, tractor profile or studded tyres can be supplied for the SWT-1S.  
→ See instruction manual p. 22

## Technical Data

Model	SWT-1S
Medical aid No. (GER)	18.99.04.0020
Range	Over 30 km on flat routes
Speed	Continuously up to 9 km/h or see type plate
Max. Trailing Load	120 kg (Driver with wheelchair and luggage)
Max. Gradient	12 % with 120 kg trailing load
Sideways Inclination	Max. 20 %
Max. Step Height	13 cm upwards 15 cm downwards
Max. Obstacle Height	Protruding from ground 8 cm
Weight	70 kg
Transport Measurements	About 75×51×53 cm
Engine Power	400 watts or see type plate
Batteries	2 × 12V/50AH/C <sub>20</sub> Type: AGM (leakproof) Class-8, UN Nr. 2800 Corresponding to IATA/ICAO A67
Charger	100-240 VAC/50-60 Hz
Charger Power	24 volts, 8 A
Charging Time	Min. 8 h when batteries are empty
Main Fuse	40 amps ATO-Fuse Art: 257040.LN
Headlight	24 volts, 15 watts / P26
Brakes	Dynamic motor brake Mechanical parking brake
Tyre Dimension	200×50 mm / 4.10/3.50-4, 4PR
Air Pressure of the Tyres	Front: 2.5 bar Rear: 1.5 bar Special tyres: 1.5 bar
Max. Temperatures	Ambient: -20 °C to 45 °C Charge batteries: 10 °C to 45 °C Storage: 10 °C to 25 °C