



Product Service

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## Technical Report No. 713074883

Revision: 0  
dated 2015-12-17

Client: Sunrise Medical GmbH  
Kahlbachring 2-4  
69254 Malsch / Heidelberg  
GERMANY

Manufacturing place: Sunrise Medical Logistics BV  
Groningehave, Nieuwegin  
3433 PE  
Netherlands

Test object: Type / model: S700  
Classification acc. to. DIN EN ISO 9999: 2007 12 23 03  
Class of use: C  
Max. user weight: 160 kg

Test specifications: EN 12184: 2014

Purpose of examination: 1. re-testing due to the points of non-compliance as listed in the Technical Report No. 713054862 according to the test specifications.

Test result: The test results show that the presented product is in compliance with the specified requirements.

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## 1 Description of the test subject

The electrically driven scooter type S700 presented for testing is designed to operate in an outdoor environment. The scooter is controlled via the control panel and the steering wheel. The speed of the drive motor is regulated by the finger control at the steering wheel and the "S-Drive" controller.



### 1.1 Technical Data

Test subject:	Scooter
Model:	S700
Class of use:	C
Total height:	1075 mm – 1260 mm
Total length:	1500 mm
Total width:	657 mm
Obstacle height:	100 mm
Max. speed:	15 km/h
Max. load:	160 kg
Max. safe slope:	10°
Driving motor:	LINIX© Motor Co., type: 85ZY24-900-E 24 V <sub>DC</sub> ; 2750 min <sup>-1</sup> ; 300 W LINIX© Motor Co., type: 100ZY24-500 24 V <sub>DC</sub> ; 5100 min <sup>-1</sup> ; 500 W LINIX© Motor Co., type: 124ZY24-800 24 V <sub>DC</sub> ; 3200 min <sup>-1</sup> ; 800 W
Power electronics:	PG Drives Technology Ltd., type: D51445.06 (S-Drive 120)
Batteries:	2x Ansheng; type: 6-FM-75 12 V <sub>DC</sub> , C <sub>20</sub> = 75 Ah
Battery charger:	PowerFirst; type: PF2408LP IN: 100-240 V <sub>AC</sub> ; 50 / 60 Hz; 3.0 A OUT: 24 V <sub>DC</sub> ; 8 A



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## 2 Order

### 2.1 Date of Purchase Order

The testing of the S700 has been carried out per purchase order of Sunrise Medical GmbH dated at 2014-12-11.

### 2.2 Date of Receipt of Test Subject

The testing has been performed at TÜV SÜD Product Service, Masurenweg 1-3, D-30163 Hanover. The test subject was delivered to the test laboratory on 2014-12-22 (HAN-156289).

## 3 Results

The points of non-compliance as listed in the Technical Report No. 713054862 were removed at the test subject and documents presented for re-testing.

## 4 Revision History

Rev. 0: Initial Version

## 5 Remarks

### 5.1 General remarks

Motorised wheelchairs are motor vehicles according to the traffic law (§1, chapter 2). Wheelchairs which shall be operated on public roads have to fulfil the requirements of the German Traffic Law (StVZO), of the Road Traffic Regulations (StVO) as well as of the FZV (Fahrzeugzulassungsverordnung). This also applies to motorized wheelchairs with a design-related maximum speed of 6 km/h (see also §18 StVZO, explanation 1).

### 5.2 Remarks to user manual

The user manual has been examined according to the minimum requirements described in the product standard. The manufacturer is responsible for the accuracy of further particulars as well as of the composition and layout.

## 6 Summary

The test results show that the presented product is in compliance with the specified requirements.

TÜV SÜD Product Service GmbH  
Technical report checked:

  
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