

Model SD-1

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Fast and effective vehicle pre-Screening with the SD-1

After the introduction of the successful SSD-1, we noticed the need for a more compact and highly mobile system.

The SD-1 is ideal for pre-checking speed compliancy of e-scooters, e-bikes and mopeds. When the test result is negative, the SSD-1 can take over for an accurate and legal measurement. The SD-1 shares the same philosophy and technology of the SSD-1, which shows in the attractive design and functionality. It allows safe and comfortable testing, even at high speed.

The full color and robust display, the optional ticket printer and adjustable wheel clamp are some of the innovative features of the SD-1.

Certified and calibrated, ready to be deployed when necessary!

Removable and full color 7” display with high visibility. With optionally a printer with GPS.







Ramp with strap for safe operation even at high speeds.

Durable anodized aluminum frame



What you get

Technical specifications

Weight	17 [kg]
Dimensions (lxwxh)	700x520x120 [mm]
Power supply	18,0-29,6 [V] Li ion battery
Absorbed current max	0,9 max [A]
Battery capacity	7 [Ah]
Max. speed	125 [km/h]
Resolution	0,1 [km/h]
Drum width	300 [mm]
Drum diameter	91 [mm]
Number of drums	2
Max. vehicle weight	150 [kg]

IP54 or higher

The connection between the SD-1 and SSD-1 lies in offering a complete solution. The SD-1 is designed as a tool for checking micro-mobility vehicles in a simple and cost-effective manner to determine whether they exceed the maximum permitted vehicle speed.

If the measurement result meets the applicable legal requirements, there is no need to use the SSD-1. However, if the measurement result does not meet these requirements, the SSD-1 must be used to perform a legally valid measurement.



Type approval numbers, applied standards

NMi: Calibrated
KIWA: CE certified, IEC61010-1, IEC60204, IP 54 (EN 60529)

What's included

Included

- Rechargeable battery and charger
- Removable full color display 1000nits
- Industrial grade sensors and electronics, no external cables





What you can add

Optional

- Thermal transfer printer with GPS
- Add-on wheel support with adjustable wheelbase (650 - 1600mm)



SD-1 and SSD-1 compared



SD-1

- Measures the speed of e-scooters, e-bikes and mopeds to determine whether they exceed the legally permitted speed limit (pass/fail indication, relative measurement result).
- Extremely compact and lightweight, enabling quick and easy testing.
- Suitable for both front-wheel and rear-wheel drive.
- Ideal for use as a preliminary screening tool in combination with the SSD-1.
- Measurement results are not legally valid.



SSD-1

- Measures the maximum speed of e-scooters, e-bikes and mopeds (absolute measurement result).
- Measures wheel power output.
- Simulates riding resistance using a permanent magnet brake and load cell.
- Synchronized drive between the front and rear wheels. Suitable for FWD, RWD and AWD vehicles.
- Measurement results are legally valid.

V1.0

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