



I N P H Y S I C S W E T R U S T

## 4activeFB-small

### Designed according to Euro NCAP VRU specifications

- ✓ height and ground clearance for pedestrian targets (EPT)
- ✓ wheels of bicyclist target (EBT) have permanent contact to ground
- ✓ RCS levels according to international standards/test protocols



### Fully synchronized operation with all relevant driving robots

- ✓ real time position data from/to robot - import/export drive files
- ✓ corrects LAT/LONG waypoint errors of driving robots (VUT)
- ✓ full synchro mode - synchronization of 5 independent platforms



### Allows testing under rough conditions

- ✓ traversable by heavy vehicles - trucks (40 tons)
- ✓ waterproof with IP67 protection
- ✓ precise performance at high speeds (up to 80 km/h)



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## Performance

speed levels	30/50/80 km/h
acceleration longitudinal	+ 3 m/s <sup>2</sup> / - 5 m/s <sup>2</sup> ★
acceleration lateral	± 3 m/s <sup>2</sup>
turning radius	0.5 m
ground clearance	0-7 mm
maximum payload	30 kg
battery charging time	~ 1h ★★
battery operating time	EPT > 6h / EBT > 3h / PTW > 1 h(@50 km/h) ★★★
positioning system	dual antenna dGNSS-IMU
dGNSS-RTK	L1/L2 GPS/GLONASS/BEIDOU
protection class	IP67
operation temperature range	-10° to 40° C (-20° to 55° C) ★★★★★

★ depends on speed ★★ at 20°C ★★★ depending on acceleration ★★★★★ additional test equipment available

## Dimensions

length	2200 mm
width	900 mm
weight	55 kg
transport dimensions	1490 x 950 x 90 mm

## Key features

- ✓ fast and easy battery swap system
- ✓ easy and efficient testing under worst conditions
- ✓ stealth technology - very low radar cross section
- ✓ traversable with full loaded 40 tons trucks

