



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

4activeMC (C-NCAP E-Scooter)

The approved E-scooter target for C-NCAP ADAS tests

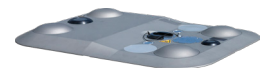
- ✓ corresponding to category L3e-A1 as applied by UNECE
- ✓ realistic properties in size, shape and microdoppler features
- ✓ complies with ISO/PWI 19206-5, C-NCAP, C-ICAP

Allows testing under rough conditions

- ✓ extremely light and soft structure to prevent damage on VUT
- ✓ robust and modular system – easy and fast change of spare parts
- ✓ realistic response for Radar-, Lidar-, Camera-, Ultrasonic-, and IR-Systems

Available options

- ✓ synchronized movement features (rotating wheels)
- ✓ different optical appearance and colours
- ✓ active lighting features (brake, blinking, ...)



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Performance

mono/ stereo camera system, Lidar sensors, Ultrasonic	✓
360° - Radar characteristic	✓
micro-Doppler spread	✓
near infrared / far infrared★	✓
crash speed lateral / longitudinal	up to 60 km/h / up to 40 km/h
operation speed	60 km/h

★ optional

Dimensions motorbike

seat height	760 mm
wheel base	1210 mm
total width	540 mm
wheel diameter	400 mm
weight	< 13,5kg

Dimensions biker

height (body)	1650 mm ± 20
width (shoulder)	450 mm ± 20
depth (torso)	200 mm ± 20
weight	< 4 kg

Key features

- ✓ compatible with 4activeFB-eco, 4activeFB-small, 4activeXB
- ✓ easy and fast spareparts replacement
- ✓ easy transportation and storage

