



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

## 4activeBS-child

### The ISO 19206-4 conform child bicyclist target

- ✓ standard average european utility bike – 6 to 7 year old child (ISO 19206-4)
- ✓ realistic properties in size, shape and rotating wheels
- ✓ complies with ISO 19206-4, UN-ECE R151

### Allows testing under rough conditions

- ✓ extremely lightweight 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 and IR-Systems

### Available options

- ✓ different frame colours
- ✓ heated bicyclist target – 4activeHT



# 4activeBS-child

## Performance

mono/stereo camera system, Lidar sensors	✓
360° - Radar characteristic	✓
micro-Doppler spread	✓
near infrared / far infrared★	✓
ultra-sonic	✓
crash speed lateral / longitudinal	up to 60 km/h / up to 45 km/h
operation speed	up to 35 km/h

★optional

## Dimensions bike

handlebar height	715 mm
diameter wheels	412 mm
wheel base	733 mm
weight	< 5 kg

## Dimensions bicyclist

body height	1200 mm
shoulder width	298 mm
torso angle	10°
weight	< 2 kg

## Key features

- ✓ compatible with 4activeSB, 4activeFB-small, 4activeFB-eco
- ✓ rotating wheels - permanent contact to ground
- ✓ foldable bike - easy transportation and storage
- ✓ extremely lightweight and soft structure

