

Motor performance tests

BikeLabs International designed a dynamometer for performance testing of (speed) pedelecs and e-bikes based on the standard EN15194:2017.



Features:

- Drive unit independently from front-, rear- or mid-powered drive
- Speeds up to 50 km/h, driving power up to 1000 W.
- Calibrated speed and torque sensors for calculation of speed, torque, motor power, pedalling assistance, motor-switch off distance.
- Accurate readout of battery voltage and current for calculation of battery capacity, range and motor efficiency.
- All results of the tests are saved as a text file and therefore can be used for a later documentation or analysis of the tests
- All measurement values are live displayed for immediate feedback.
- Free programmable profiles with functions as uphill, headwind, friction, etc.
- Simulation of pedalling motion torque of the pedals. Steady pedalling torque can also be selected.