ECHECKER. THE TEST STAND FOR E-BIKES, DRIVE UNITS, AND E-SCOOTERS.

for e-bikes according to EN 15194:2018

The eChecker test stand can test all electrical and electronic components of e-bikes. Common applications are:

- EN 15194 standard tests (standard version)
- End-of-Line Tests in Production (Optional) •
- Long-term and endurance tests (optional) • Service and Development (Optional)

The test stand consists of the following components:

- Base frame made of high-strength aluminum profile with protective housing made of polycarbonate and CE marking.
- Programmable rear wheel generator brake to simulate driving resistance. Braking power constant approx. 750 W. The engine can be used seamlessly for braking and acceleration.
- Crank drive to simulate human pedaling. Speed range 0-120 rpm. With patented quick-release coupling and positioning device (disassembly of the pedal crank omitted).
- Load cells with manufacturer's

Schmidt-Engineering GmbH
Ostbahnstraße 15
91217 Hersbruck
Tel: +49 9151-4232
Fax: +49 9151-3878
E-Mail: info@weinmann-online.de

calibration certificate in the rear brake caliper and in the crank drive
- eChecker software (browser-based). PC not included in the standard scope. Standard tests according to EN 15194 with pre-programmed tests included

4.2.11 maximum speed with electric motor assistance
4.2.12 Launch Assist Mode
4.2.13 Performance Management
4.2.14 Maximum power measurement - Measurement on the motor shaft

You can easily create your own tests and test routines.

Technical specifications:

Dimensions (LxWxH): 1,500 x 1,600 x 2,100 mm
Weight: 300kg
Connected load: 230 V / 16 A
Speed: Max 60km/h
Crank drive: max. 80 Nm torque at 50 rpm.
Cadence 0-120 rpm.
Brake slide: 650 W continuous braking power

Connection of the e-bike to the test bench via a measuring cable between the e-bike battery and the controller. Basic adapter cable is included in the standard scope and must be adapted by the customer with their own connector.

SKU: #10140
Category: Electrical safety

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