Mounting begins with checking the size of the bolt on the vehicle's wheel. The available adapters in the kit are 17mm, 19mm, 21mm, and 22mm. After determining the bolt size, select the adapter and place it on the wheel's mounting bolt. The M12 pin is then screwed into the adapter using the included 10mm hex key with a torque of approximately 55 Nm. The next step is attaching the Dyno Probe to the pin using an M10 bolt with the included 8mm hex key and a torque of 35Nm. The Dyno Probe is positioned roughly aligned with the wheel axis (the Probe has an adjustment range). Deviation from the wheel axis during mounting does not affect measurement accuracy but may cause addi



D) Insert the OBD2 Probe into the vehicle's 16-pin OBD2 diagnostic socket. The OBD2 Probe will signal proper insertion by lighting up the power indicator.
If the vehicle does not have a 16-pin OBD2 socket, any adapter can be used. The standard is: pins 4 and 5 of the OBD2 Probe is the ground (–, GND), and on pin 16 is 12V(+). The single-wire communication line is on pin 7, the two-wire (CAN) is on pins 6 and 14.
In case of doubt, please contact technical support.

E) Get into the vehicle, fasten the seat belts, start the engine, and turn on the Tablet along with the dynoPRO software.

6. Disposal

In case of withdrawing the device from use, the entire set should be returned to an electronic waste collection station or directly to the manufacturer, who ensures disposal, due to the battery contained in the individual components of the set.

7. Copyright and manufacturer's certificates

All rights reserved, E-tronic, ul. Turkusowa 9, 64-500 Kępa, POLAND. NIP: 787-194-73-67
NIP EU: PL7871947367, Telephone: +48 502 604 932, e-mail: dynoprook@gmail.com

The device and components used to build the device meet all required standards in force in the EU. The device has CE, EMC, LVD, RoHS certification.

dynoPRO

ROAD DYNAMOMETER

Quick User Guide
v5.1

1. What is dynoPRO and what it is used for?
2. Safety conditions
3. Description of components
4. Technical specification
5. Device installation
6. Disposal
7. Copyrights and certificates



Full instructions can be found in the DynoPRO application on the tablet in the Settings menu.

1. What is dynoPRO and what is it for?

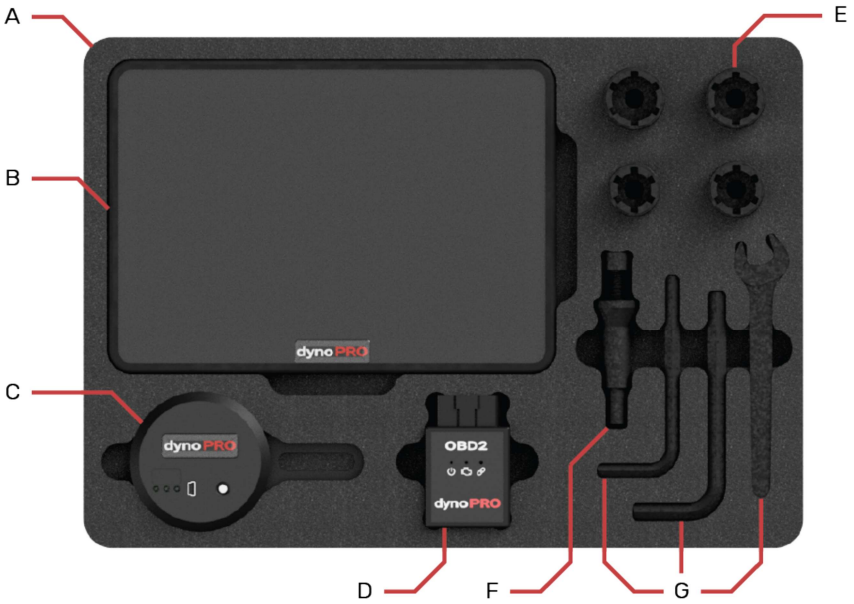
DynoPro is a road dyno used to measure power, torque, acceleration and additional parameters of passenger cars and other combustion or electric vehicles. Measurements can be performed in vehicles with any type of drive. There are no power limitations for the tested vehicle. The dyno is intended for measurements in the broad context of motorsport by professionals.

2. Safety conditions

Before the first use, it is mandatory to thoroughly familiarize yourself with the user manual and adhere to all the instructions provided. The manufacturer is not responsible for damages caused to the user or third parties due to non-compliance with the instructions contained in the manual. Measurements should be performed on a closed track or race circuit. It is prohibited for the driver of the vehicle to operate the device during measurement as it poses a direct threat to the life and health of individuals. In case of doubts, please contact technical support.

3. Description of components

A – protective case with foam insert
B – **Tablet** (with dynoPRO app) in protective case, charger, adapter
C – **Dyno Probe** – mounted on vehicle wheel
D – **OBD2 Probe**
E – set of adapters for mounting **Dyno Probe** – 17mm, 19mm, 21mm, 22mm
F – threaded pin M12 for mounting **Dyno Probe** and M10 bolt with spring washer
G – 8mm, 10mm hex key and 14mm flat key



4. Technical specifications

Dyno Probe
- weight: 180g
- wireless communication: Bluetooth
- power supply: Li-Ion battery 3.7V 1000 mAh
- material: aluminum, steel
- weather station:
  - temperature from -40°C to 105°C
  - pressure from 500hPa to 1100hPa

Tablet
- weight: 655g
- 9.6-inch screen, IPS, 1280 x 800 (HD)
- Qualcomm MSM8917 processor (quad-core A53)
- operating system Android™ N (Nougat)
- ROM: 16 GB, RAM: 2 GB
- GPS, A-GPS, GLONASS, BDS
- WiFi/WAPI connectivity 802.11 a/b/g/n@2.4 GHz & 5 GHz, Bluetooth
- main camera: 5 MP, autofocus
- front camera: 2 MP, autofocus
- battery 3.7V 4,800mAh, charger 5V /1A

OBD2 Probe
- weight: 50g
- wireless communication: Bluetooth
- vehicle connectivity: CAN, LIN, Single Wire CAN
- power supply: 12V DC from vehicle
- material: plastic ABS

Case
- weight: 2.5kg
- external dimensions: 40.6 x 33 x 17.4 cm (L x W x H)
- material: polypropylene + ABS

Measurement normalization
- SEA J1349
- DIN 70020
- EWG 80/1269

Measurement repeatability error: < ±1%

Total weight of the set: 5.4 kg

5. Device installation

Device installation takes approximately 2 minutes.

A) Before measurements, please charge the batteries in the Tablet and the Dyno Probe. The OBD2 Probe is powered from the diagnostic connector.

The Dyno Probe has 2 LEDs indicating charging status and full battery charge. When the charger is connected, the orange LED lights up, and when fully charged, the orange LED turns off and the green LED lights up. If no light illuminates, it means the charger is connected incorrectly or there is no power supply.

B) Mount the Dyno Probe using the included adapters and turn it on using the ON/OFF button. After pressing the button, the white STATUS light will first blink and then remain steady after successful calibration. Calibration takes approximately 3 seconds.

C) The Dyno Probe is turned off after completing measurements by pressing and holding the button for about 2 seconds. Turning off is signaled by fast blinking, followed by the extinguishing of the white light.

The Dyno Probe is mounted on the drive axle or without drive. Due to potential vibrations on the steering wheel, mounting at the rear of the vehicle is recommended.