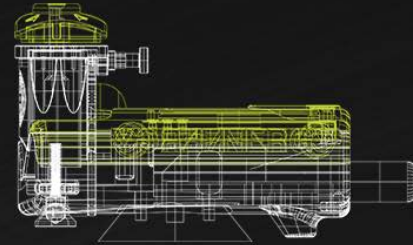




EZEnergy Data Sheet

Release v2.0



1. GENERAL

EZEnergy is a measurement device designed to collect a number of characteristics related to the motion itself and the efforts required for the motion of for example a door, trunk hood or tailgate on a vehicle.

EZEnergy is part of the Doorkit platform and can be used with different software solutions to maximize the output.

2. MEASUREMENT AND FUNCTIONALITY

	DEFINITION	UNITS	RANGE	UNCERTAINTY
ENERGY	Recording and registering input energy (Force x Displacement)	Joule	0 to 85J	Inferior to 5%
FORCE	Recording and registering the maximum Push Force	Newton	-100 to 300N (300 Model) -100 to 500N (500 Model)	Inferior to 3%
SPEED	Recording and registering Speed at specified angle	m/s, mm/s, deg/s	-2000 to 2000m/s	Inferior to 3%
ANGLE	Recording and registering the Travel Angle	Degree	<180°	Inferior to 3%

3. SOFTWARE FUNCTIONS

- Tolerances: Upper Tolerance / Upper Warning / Lower Warning / Lower Tolerance
- Gap Mode: Monitor Closed and not closed data, and only conclude when set gap tolerance is met.
- Manual Mode: Force and Speed Recording 400Hz for 25 sec.
- Radius Input to Compensate Linear Speed
- Mounting Angle Compensation
- Push Angle Control



EZEnergy Data Sheet

4. COMMUNICATION

- Stand alone operation: High Contrast Display will show results
- Available with built in Bluetooth or Wifi Module for wireless connectivity.
- Requires compatible software to establish communication with the device.

5. MOUNTING

- Suction Cup Mounting with Active plunger
- Built in replaceable felt air filter
- Up to 3h adhesion on clear surface
- Adjustable Teflon feet for proper force transfer and protecting surface of the vehicle

6. ENVIRONMENTAL

- Operating Temperature: -20 to 40C
- Storage Temperature: -40 to 60C
- Humidity: Non condensing 0 to 90%

7. POWER

- EZEnergy kit comes with a Removable 10.4V Li-Ion Rechargeable Battery
- 8 hr Average Operation time on a single Full Charge
- Automatic Sleep Mode

8. DIMENSIONS

- H W L 110 x 100 x 190mm
- Gross Weight 1kg (w/ battery)
- Net Weight 0.7kg (w/o battery)

9. COMPLIANCE

- EZEnergy complies with CE guidelines
- Confirm to wireless regulation for measurement instruments.

President and Co-Founder

Tom Van Esch

Handwritten signature of Tom Van Esch in black ink.

President and Co-Founder

Carine Woldanski

Handwritten signature of Carine Woldanski in black ink.