

# DOBACK

## 2.0

## PRESENTATION

**DOBACK is a prevention system** that alerts the driver to a vehicle rollover risk.

The system calculates vehicle stability **ten times per second**.

When stability drops below 30%, a visual and acoustic alert is activated to warn the driver.

Stability is calculated using an algorithm and the prior parameterization of the device with the physical data of the truck on which DOBACK is installed.



## FEATURES

- DOBACK allows recording different vehicle parameters via the CAN line for various uses such as driver training, route analysis, etc.
- Allows configuration and data download manually and remotely.
- With scalable technology, it can adapt any client need to the device's functionalities.
- With voice alerts, DOBACK allows configuring up to 255 different voice messages to notify the driver of any event occurring in the vehicle.

## DOBACK ADVANTAGES

### SPATIAL STABILITY

Implements measurements on 3 axes, allowing terrain conditions to be taken into account.

### DYNAMIC STABILITY

Uses the physical properties of the vehicle — an essential requirement to display real stability.

### INDIVIDUALIZED CONFIGURATION

Uses the physical properties of the vehicle — an essential requirement to display real stability.

### PLUG & PLAY

Simple installation and ready to operate on any type of vehicle.

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## DATASHEET

### ELECTRICAL INFORMATION

<b>NOMINAL VOLTAGE</b>	24V
<b>MAX / MIN</b>	9 / 34V
<b>NOMINAL CONSUMPTION</b>	0.23A
<b>MAXIMUM CONSUMPTION</b>	0.75A

### CAN COMMUNICATION

<b>COMMUNICATION TYPE</b>	CAN BUS compatible with ISO 11898 (e.g. J1939)
<b>SUPPORTED SPEEDS</b>	125 / 250 / 500 / 1000 Kbps
<b>IDENTIFIERS</b>	11 / 29 BITS – CAN 2.0A and CAN 2.0B

### ANALOG COMMUNICATION

<b>SIGNAL TYPE</b>	VOLTIMETRIC 0.5V – 4.5V
<b>CALIBRATION TYPE</b>	Any
<b>FILTERING</b>	Any

### CONNECTIVITY

#### WI-FI

IEEE 802.11 b/g/n 2.4 GHz single band WPA/WPA2

### CERTIFICATIONS

<b>Electromagnetic Compatibility</b>	EN61000-6-1; EN61000-6-3; MIL-STD-461G; UNE R9
<b>Electrical Safety</b>	EN61310-1; EN61310-2:2008; EN61310-3

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### FUNCTIONS – STANDARD vs ADDITIONAL

FUNCTION	STANDARD	ADDITIONAL
Stability Indicator	✓	
Remote & Manual Data Download	✓	
Voice Messages (1 message)	✓	
Speed Recording via CAN		✓
Recording of More CAN Values		✓
Remote Configuration	✓	
Stability Values Recording	✓	
GPS		✓
Data Visualization Interface		✓
Integration of External Sensors		✓
Different Voice Messages		✓
Configuration Software	✓	
Plug & Play	✓	