



# Inclisafe VDEF



## GENERAL INFORMATION

Digital sway meter. **Dynamic stability-analysis device for vehicles with rollover-risk warning.** Inclisafe considers the signals of several internal sensors which provide acceleration measurements, angular speed, slopes and other variables.

Using this information, together with the dimensions and inertia attributes of the vehicle, **such device estimates vehicle stability 10 times per second** through its own algorithms, which are quantified as a percentage of the maximum stability rate of the vehicle (100% stability means a stopped vehicle in horizontal position, 0% stability implies a potential risk of immediate rollover).

Based on the stability that is estimated at any moment, **the device provides (through a display) a warning and**

**acoustical signal of increasing frequency** according to the reduction in stability.

It is a universal device which can be adjusted for any type of vehicle. The system complies with the CE marking Directive 2004/108/CE on electromagnetic compatibility and the standards established in the EN 894-1, EN 61310-1-2, EN 61000-6-1, EN 61000-6-3.

The device is classified in the OTAN database under the number NSN 6605-332116466.

It has a "black-out" function.

## IMPLEMENTATION

- Prevention of accidents: constant information and instability-level assessment.
  - Driver Training.
  - Fleet Management.

## INSTALLATION

- In any vehicle.

## SUITABLE FOR

- Vehicles with high center of gravity.
- Vehicles with mobile loads (such as water).
- Vehicles subject to high turn speed.
- Handling a vehicle in exigent conditions or uneven grounds.

## DANGER SIGNAL

- Audible signal: buzzer.
- Visual signal: LEDs located in cabin.



# Inclisafe VDEF

## TECHNICAL SPECIFICATIONS

	SENSOR UNIT	DISPLAY
•Dimensions	180x80x50 mm (LxWxH)	LED: 220x130x40 mm (LxWxH)
•Protection rating	IP 65	IP 54
•Interfaces	Digital	Digital
•Power	24 Vdc (15 V - 30 V)	24 Vdc (15 V - 30 V)
•Consumption	150 mA	100 mA
•Temperature range	-20°- 70°	-35°- 85°
•Memory capacity	8 Gb	

## BENEFITS OF USING INCLISAVE VDEF

- **Financial benefits:** it prevents high costs due to repairs and/or spare parts.
- **Safety of people:** it prevents severe and mortal accidents.
- **Training:** it decreases the driver's training period.
- **It decreases the inoperability risk** of vehicles.
- **Regulatory compliance:** Council Directive 89/391/EEC of 12 June 1989 on the introduction of measures to encourage improvements in the safety and health of workers at work: where it expressly forces the employer to control the risk and consider the evolution of such technique.

## INCLISOFT

INCLISOFT software allows the user to download records and graphic analysis of the information that is recorded inside the device.

It has a specific option for learning and training.

