

# RUGOBOX® : SKID RESISTANCE - TEXTURE

Measure of the texture of the pavement (MPD / ETD)



ISO 13473-1

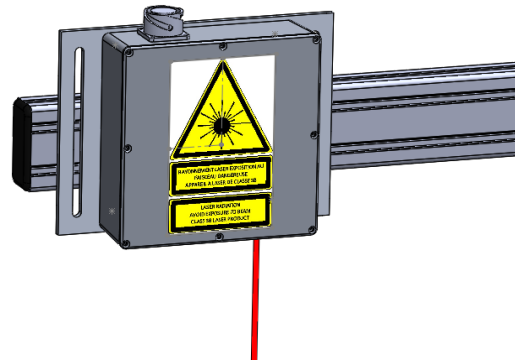
ISO 13473-6  
DEUT 1521087N

## Description

RugoBox® is a simple, modular and affordable device for measuring the macrotexture of the road surface. Easily integrated on a vehicle equipped with a hitch, the device allows for single or dual track measurements.

Compliant with the requirements of the latest version of the ISO 13473-1 standard, the device provides a notion of adherence through the MPD (Mean Profile Depth) and ETD (Equivalent Texture Depth) indicators.

RugoBox® is supplied with softwares for acquisition and processing allowing to exploit the associated indicators (visualization, acceptance report...).



## Highlights

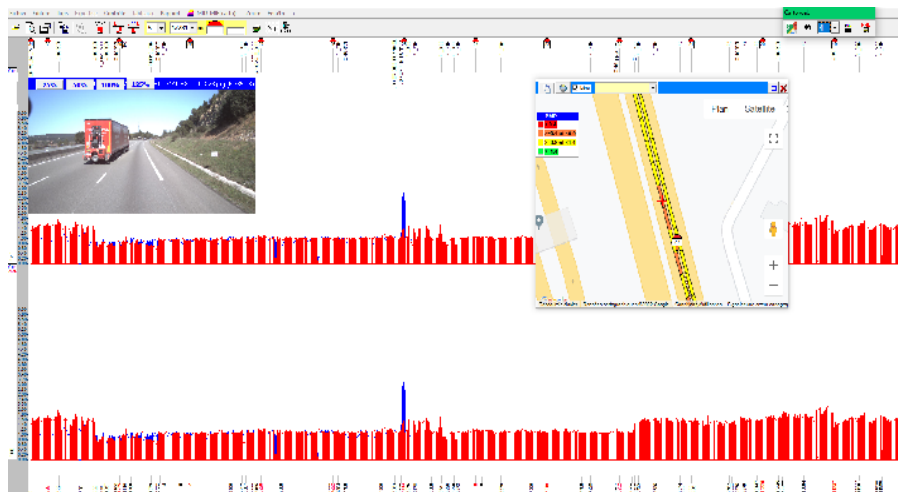
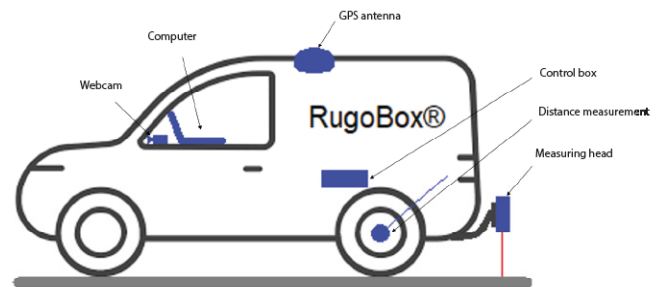
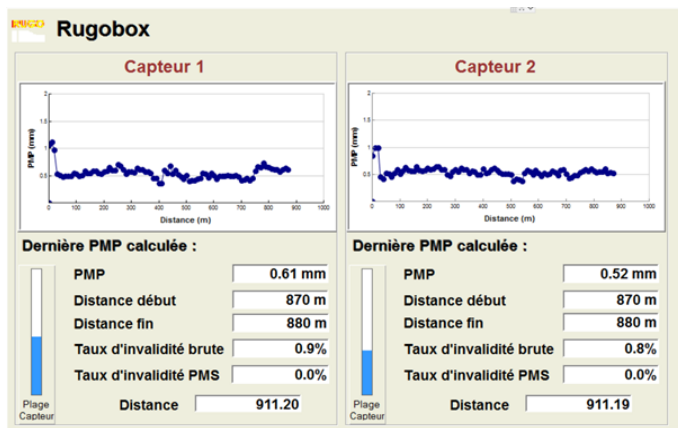
- **Portable**  
 → Easily transportable and can be installed on all vehicles equipped with a standard hitch.
- **Fully comprehensive tool**  
 → One laser measuring head.  
 → Odometer and GPS for positioning the measurements.  
 → Dashboard camera  
 → Ability to capture events to help processing and complete the measurement context.
- **Available options**  
 → Can be easily extended with a second measuring head, Wi-Fi connectivity, or the control computer or tablet.
- **Up to date**  
 → The system components, such as the processing algorithms, comply with the latest requirements of ISO 13473-1.
- **Reachable**  
 → The system components were carefully selected in order to control the product cost, while back-up performance
- **Easy to process**  
 → MPD / ETD indicators are calculated directly at real time.  
 → The RugoSoft processing software supplied allows to edit acceptance reports, but also for particular or advanced uses.



## Features

Standards and reference systems	
Standards	ISO 13473-1 (2019) ISO 13473-6 (2021)
Reference	DEUT 1521087N
Contents	
Power Supply	10-30 VDC (cigarette lighter plug)
Computing	Laptop / Tablet
Connectivity	Ethernet/Wi-Fi system
Distance and positioning	Odometer (DMI) and GPS
Indicators	
Measuring speed	From 0 to 110km/h
Indicators calculated	MPD/ETD
Installation	Bracket mounted on a standard hitch

## Details



## Standard equipment

- Rugobox® is composed by default of :
- A measuring head with its connection cable
  - A control box and its power supply cable (cigarette lighter type)
  - A distance measuring system (DMI) on a wheel of the vehicle
  - A magnetic GPS
  - A webcam and its suction cup holder
  - A storage case
  - A mechanical support for vehicle hitch.

## Accessories and options

- Second measuring head and its connection cable
- Wifi connection on the control box
- Wifi tablet
- Laptop computer.