

RUGOBOX® : SKID RESISTANCE - TEXTURE

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



ISO 13473-1

ISO 13473-6

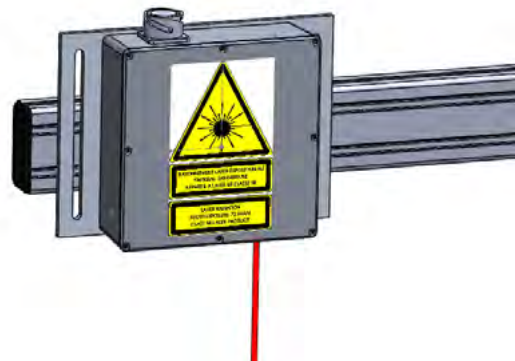
Description

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

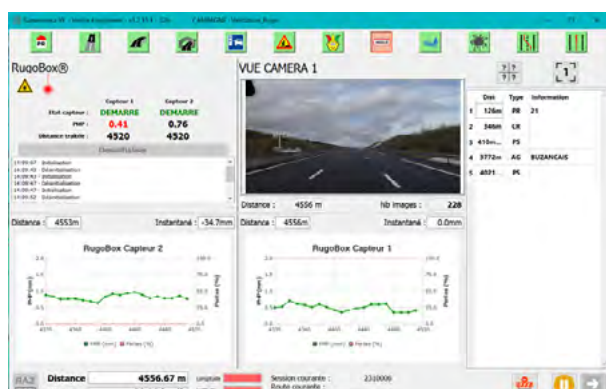
- ◀ **Portable**
 - Easily transportable and can be installed on all vehicles equipped with a standard hitch.
- ◀ **Fully comprehensive tool**
 - One laser measuring head.
 - Odometer and GPS for positioning the measurements.
 - Dashboard camera
 - Ability to capture events to help processing and complete 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	
Standards	ISO 13473-1 ISO 13473-6
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® contains by default:

- 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

RugoBox® can include :

- A second measuring head and its connection cable
- A Wi-Fi connection on the control box
- A Wi-Fi tablet
- A laptop computer