

RUGOBOX® : SKID RESISTANCE - TEXTURE

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



ISO 13473-1

ISO 13473-6

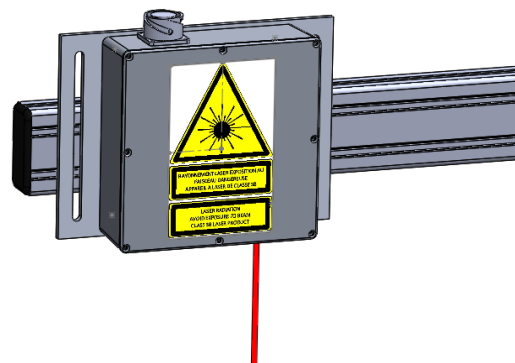
Description

RugoBox® is a simple, modular and multipurpose device for measuring the macrotexture of road pavement.

Easily mounted on any hitch-equipped vehicle, the device allows accurate measurements at any speed for quality control of works as well as for network surveying.

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

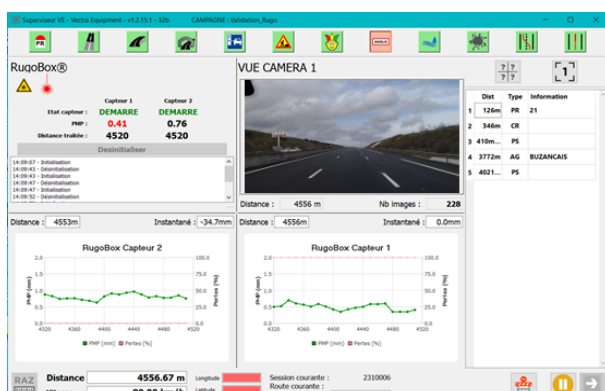
- ◀ **Portable**
 - Easily transportable and can be installed on all vehicles equipped with a standard hitch.
- ◀ **Fully comprehensive tool**
 - One laser measuring head.
 - Odometer and GPS for positioning the measurements.
 - Dashboard camera.
 - Ability to capture events to help processing and complete the measurement context.
- ◀ **Scalable**
 - The system allows for single or dual trace measurements (can be easily extended with a second head), Wi-Fi connectivity (no wire from/to the cabin).
- ◀ **Up to date**
 - The system components, such as the processing algorithms, comply with the latest requirements of ISO 13473-1.
- ◀ **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	Every speed from 0 to 110km/h
Indicators calculated	MPD/ETD
Installation	Bracket mounted on a standard hitch

Details



Standard equipment

RuqoBox® 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

RuqoBox® 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