RULA

the Harmony of Solutions

Shock Recorder

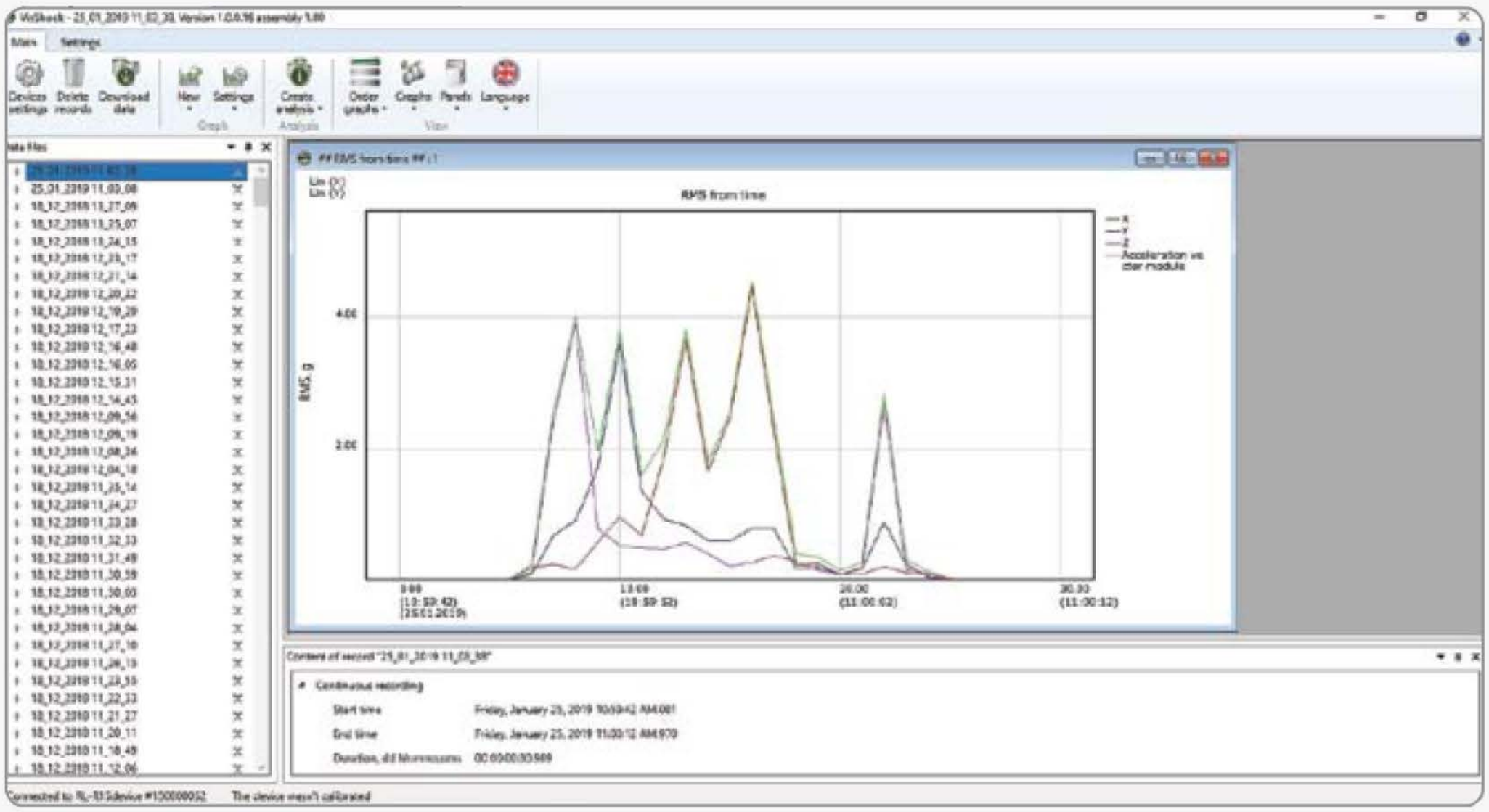
RL-R17

RL-R17 is a compact, portable and autonomous shock recorder to be used on vehicles and aircraft, as well as in certain R&D applications. The device is designed to record external vibration impacts, for example, to register and subsequently report the conditions of transportation, or any undesirable events, such as shocks. The IP65 protection level and a wide operating temperature range makes the device applicable for harsh environments.
RL-R17 has an embedded 3-axial accelerometer. The device can register both vibration and temperature data. Before use, the RL-R17 recorder is programmed to work in one of the two modes:

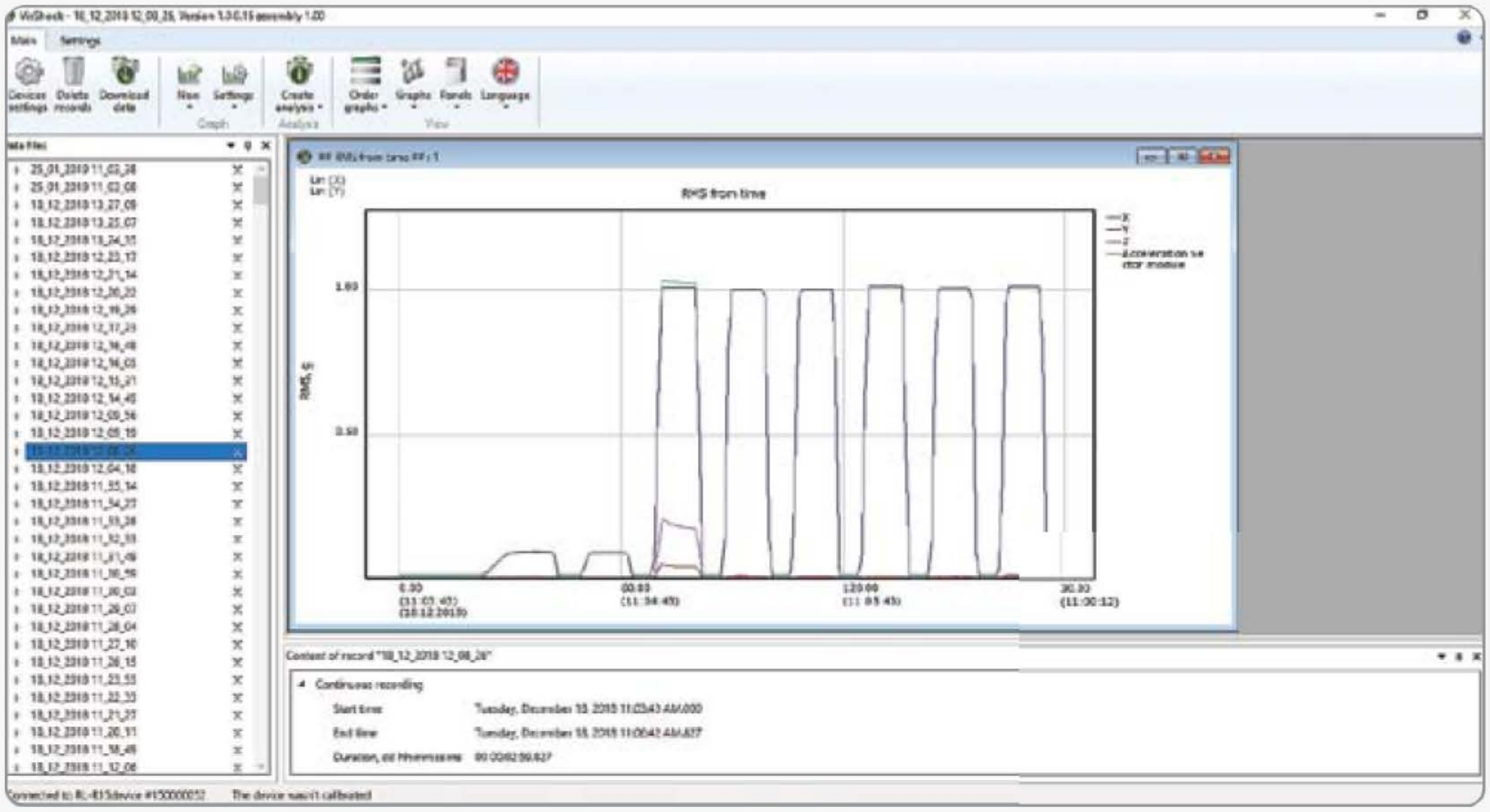
- Continuous recording, providing a week of uninterrupted operation;
- Transient capture, in case of which the device will register excess of preset values for as long as 1 month.

Main Features

Number of axes for measuring acceleration	3
Frequency range, Hz	0.1 + 800
Maximum acceleration on one axis, g	±15, ±190
Acceleration measurement error in the frequency range, %	5
Sample rate, Hz	50 ÷ 3200
Temperature measurement range, °C	-40 ÷ +60
Autonomous work time, h	720
Dimensions, mm	120 x 110 x 36
Weight, kg	0.73
Case material	Aluminum
Case protection	IP65



RL-R17 has adjustable sensitivity and measurement range providing flexibility to different specifications of recording.
In the subsystem of temperature measurement the temperature values are recorded with a preset interval.
The vibration and temperature data obtained are recorded to the embedded memory with a real time-stamp.



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«RULA Technologies», SIA

+371-6610-2166
Balta iela 7, Riga, LV-1055, Latvia

contact@rula-tech.com
www.rula-tech.com