

Data Acquisition System and Spectrum Analyzer

RL-R19



RL-R19 DAQ system and spectrum analyzer is intended for measuring and recording vibration data and other physical processes. RL-R19 enables the user to:

- collect data from vibration sensors.
- examine the vibration condition of machines, mechanisms, mechanical constructions, bearings, gearings, etc.
- detect various defects of machines, mechanisms, mechanical constructions, bearings, gearings, etc.
- balance rotors of machines and mechanisms.

The principle of building up the SignalUp software of RL-R19 devices enables forming a set of functional options, intended to solve specific problems. The only obligatory option is «Basic Software», other options may be combined in any configuration.

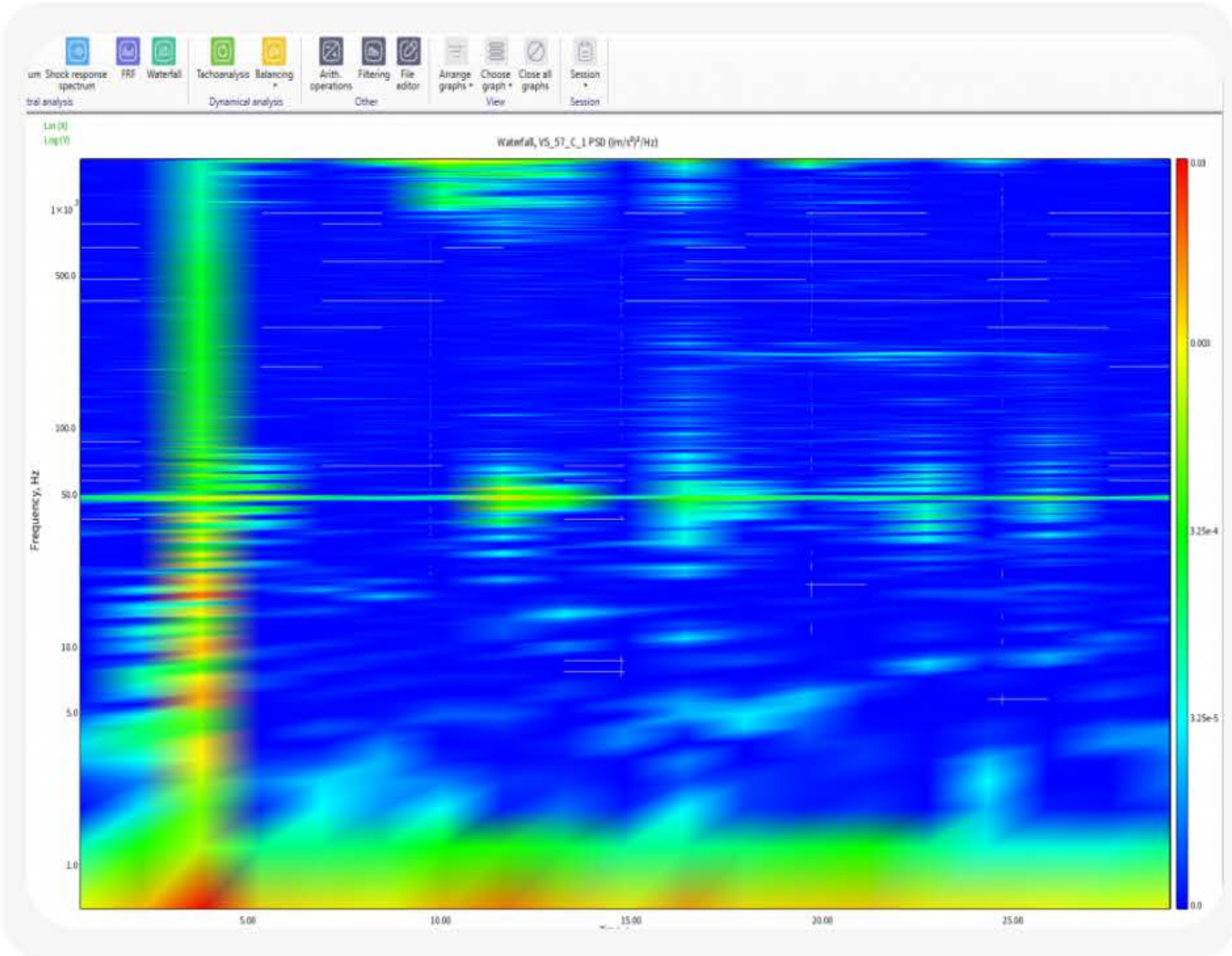
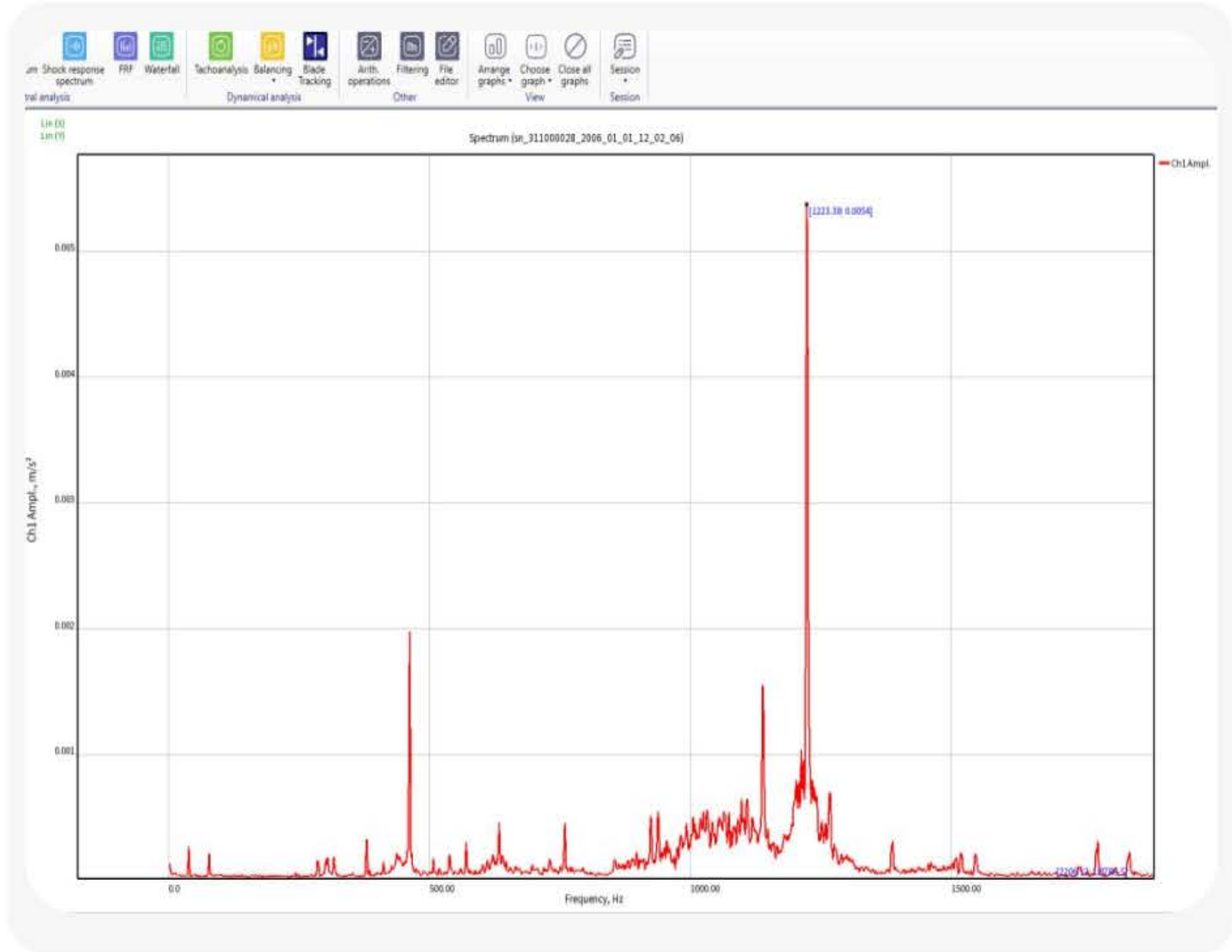
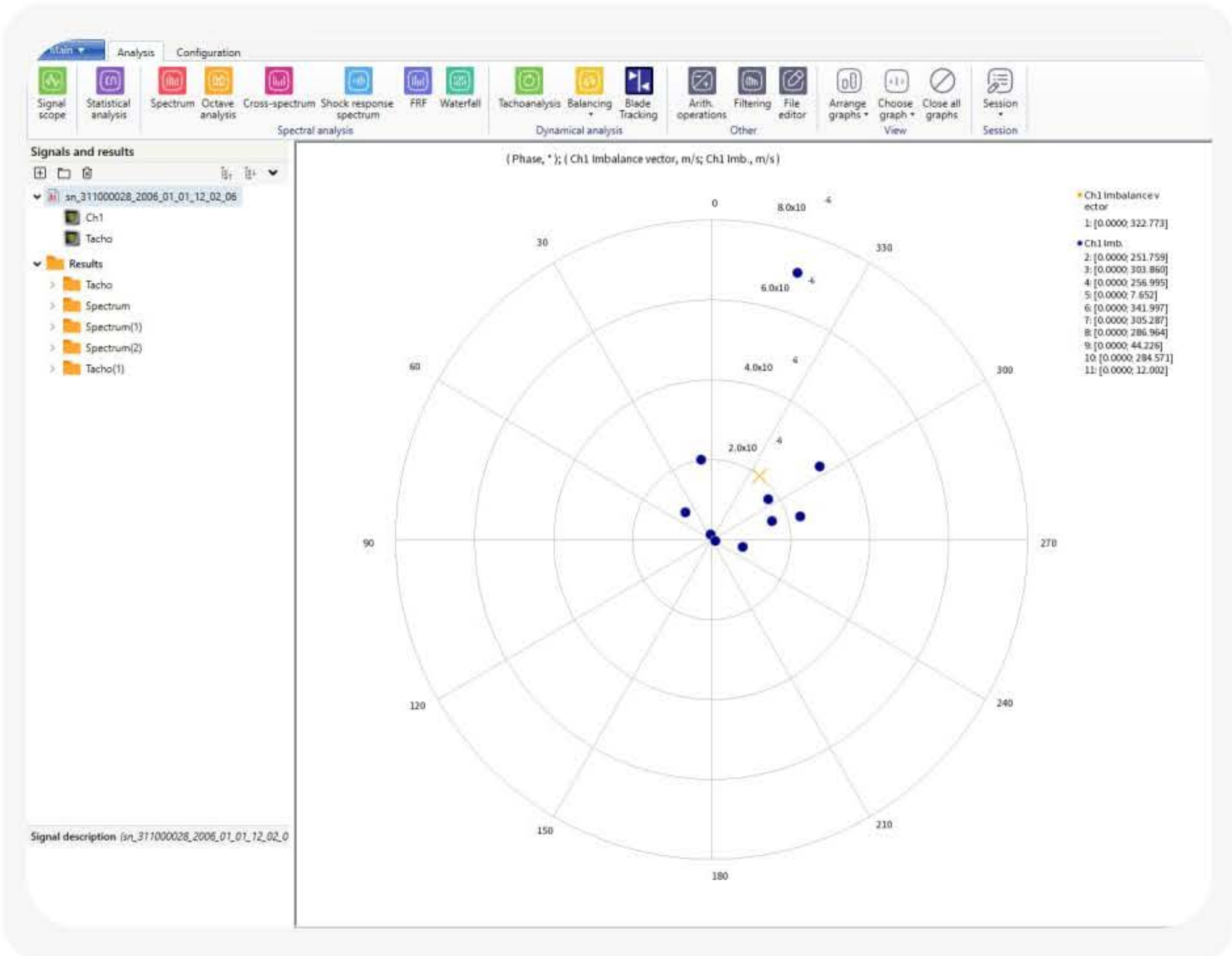
Technical Features

Number of measuring channels	4÷8
Tacho-channel / outputs	1/1
Range of measured signals, V	+20
Frequency range of measured signals, Hz	0,1÷60000
Mode of measuring channels	IEPE, linear, single-ended
FRF non-linearity at 1 kHz, dB in the range of 1 ÷ 40000 Hz	≤2
FRF non-linearity at 1 kHz, dB in the range of 0.1 ÷ 60000 Hz	≤5
DAC/ADC resolution, bits	24
Sensor type	IEPE, linear
Logical inputs and outputs	4 inputs and 4 outputs
Screen resolution	640 x 480
Screen diagonal, inches	5.7
Temperature range, °C	-30 ÷ +60
Dimensions without handle, mm	260 x 152 x 55
Weight, kg	2.3
Protection	IP65
Power supply	Autonomous (> 8 hours) 230 V AC 11 ÷ 48 V DC

The recorded signals can be viewed or analyzed in the device itself or using SignalUp desktop software. SignalUp is a powerful program complex intended to record and analyze signals of different dynamic processes. The sources of signal can be different: the data can come from DAQ-devices in real-time or from a recorded file.

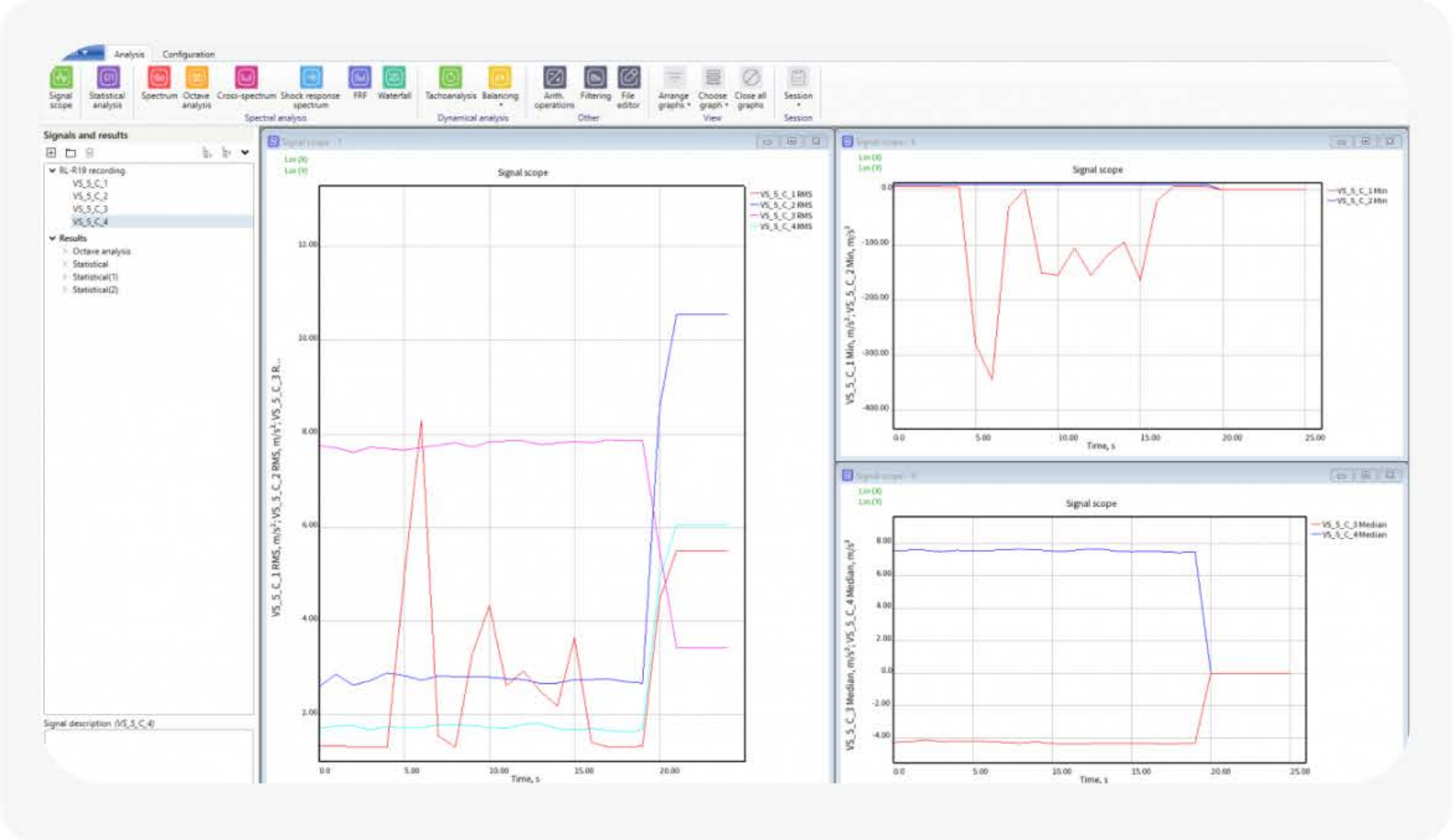
SignalUp

- 20+ types of data analysis
- Free updates
- Intuitive interface
- Data export
- Online and offline mode



The following options are available

- Basic software
- Recording
- Part-octave analysis
- Statistic analysis
- Balancing
- Signal generator
- Repeater
- Automatic measurements
- Filtration
- Shock analysis
- Synchronization



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