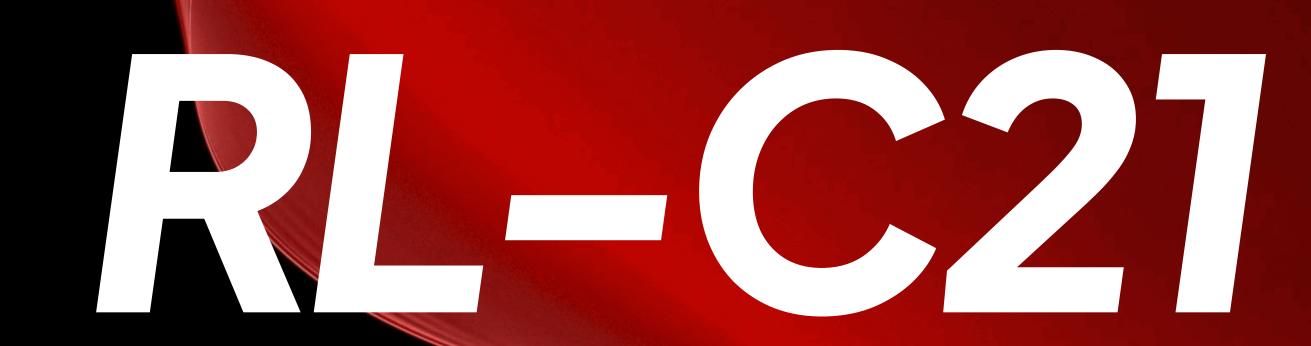
RULA



Vibration Control System



STOP



RL-C21 is a state-of-the-art vibration control system for electro-dynamic shakers. The system is distinguished by simplicity, reliability and high safety standards.

RL-C21 vibration controller has a modular scalable architecture, which allows the user to get from 1 to 32 input channels. The

Inputs		
•		
Analog channels	1÷32	
ADC resolution, bits	24	
Frequency range, Hz	0.1÷35000	
Sensortype	IEPE, TEDS, charge, displacement, velocity, force sensors	
Filtration	Analog, digital high-pass and low-pass filters	
Voltage range, V	±10	
Dynamic range, dB	≥120	
Noise level, µV	≤20	
Channels crosstalk, dB	≤-100	

configuration of RL-C21 system is flexible: it is determined by the user and can be modified at any time.

The most innovative techniques of digital signal processing are embedded in the system. The PC is not used in the control loop, all calculations and safety checks are run by a DSP directly in the controller. This feature provides the highest level of shaker protection

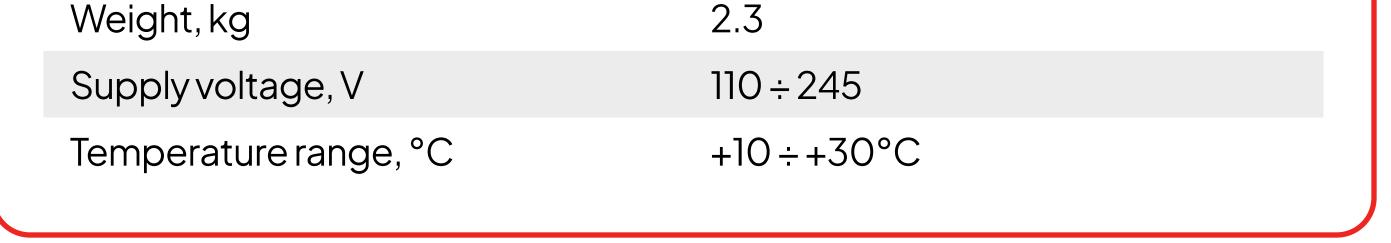
Main Parameters

- 4 inputs per controller
- 2 outputs per controller
- Auxiliary logical inputs and outputs
- LCD display
- Scalability from 1 to 32 input

	Outputs	
	Analog channels	1 ÷ 8 control channels, Up to 8 COLA channels
	DAC resolution, bits	24
	Frequency range, Hz	0.1÷35000
	Relative error of frequency setting	≤5×10-5
	Filtration	Analog, digital high-pass and low-pass filters
	Voltage range, V	±10
	Dynamic range, dB	≥120

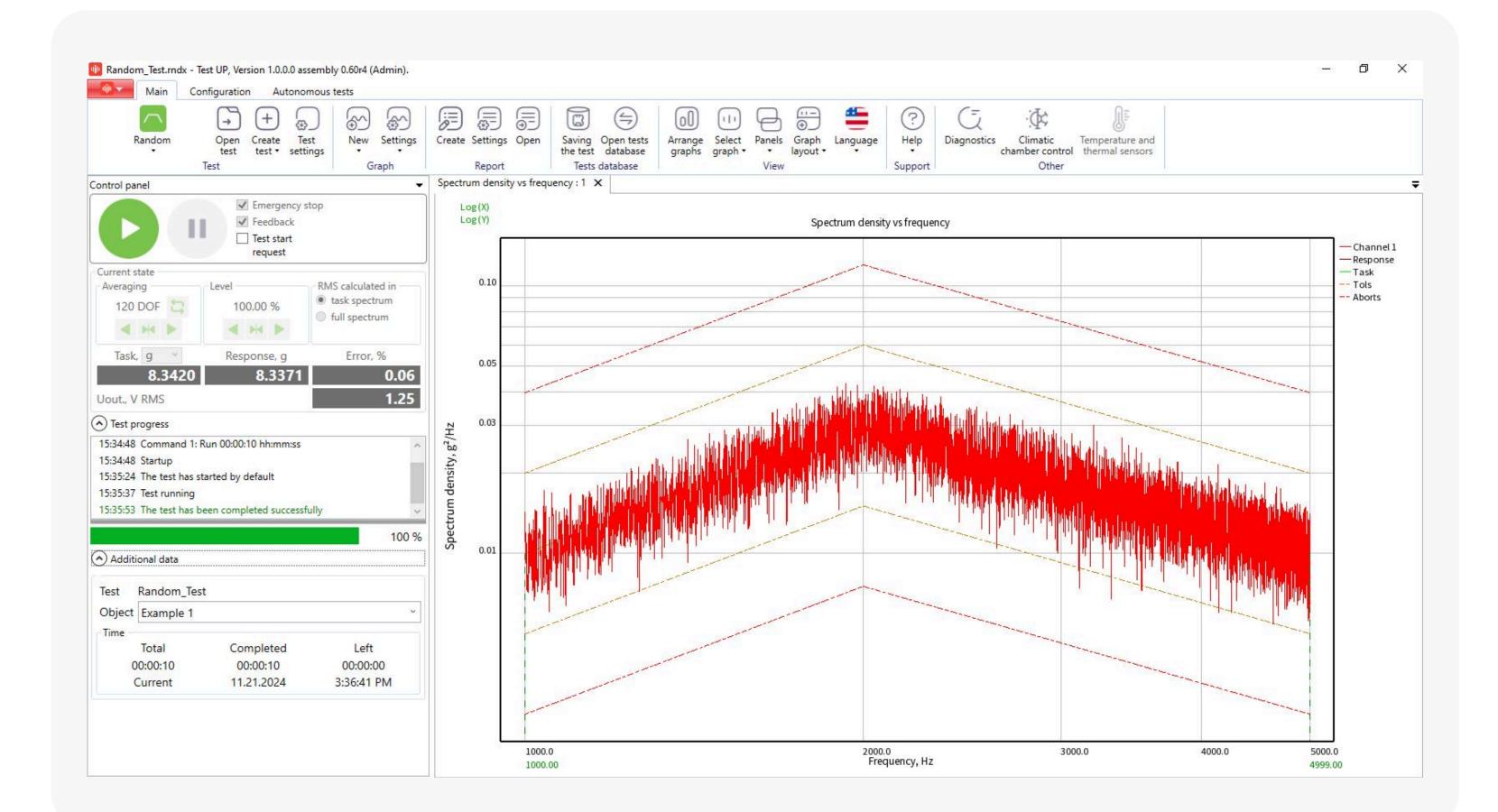
- Main Hardware Fea	atures	
Dimensions, mm	390 × 274 × 54	

and from 1 to 8 output channels



Software Features

- Sine
- Resonance Search and Tracking
 Dwell
- Random
- Shock
- Sine on Random, Random on Random, Sine and Random on Random, Sine on Sine
- Field Data Replication
- Shock Response Spectrum
- Transient Time History
- Transient Capture
- Data Recording
- Multishakertests





• Fatigue tests, etc.

Applications

- Vibration tests according to ISTA, ISO, SAE, MIL-STD810H/G, IEEE, etc., in Aerospace, Automotive, Telecom and other industries
- Tests of serial production
- Research and Development
- Fatigue tests

Software



- All software updates are free
- Remote software options activation



withakey

- Intuitive and user-friendly interface
- Compatibility with all versions of Windows



«RULA Technologies», SIA

+371-6610-2166 Balta iela 7, Riga, LV-1055, Latvia contact@rula-tech.com www.rula-tech.com



