The groundbreaking multi function measuring system from RION
Compact design, easy and intuitive operation
Wireless connections
Use it anytime anywhere!
RIONOTE is combining the newest technology to provide quality, ease of use and economical sense. This system can be configured to up to 16 channels and it can be used anywhere wireless. The Main Control Unit is a lightweight, portable instrument that can be configured to program of your choice. All on a large color display with both programs and hardware for this measurement.

Analysis result display examples

FFT analysis
RIONOTE enables you to perform FFT analysis on multiple channels simultaneously. The results are shown in clear graphs on the large color screen, in real time, or from stored data when using the recall function. A marker allows you to scroll through the data, and enables the readout of the level of a frequency of interest.

Transfer function
The transfer function represents the relation between an input signal and output signal in the frequency domain, allowing the determination of amplitude and phase. In this mathematical calculation category, the RIONOTE supports coherence function and cross spectrum processing.

Waveform recording
By using the waveform recording program, it is possible to display and record the time waveform of the incoming signal(s). Available recording time depends on the number of input channels and the selected frequency range. The figure below shows a time waveform displayed on the screen of the Main Control Unit.

Waveform post processing
After completing waveform recording (as explained above), the stored waveforms can be displayed on the Main Control Unit's large screen, and played back by using the headphone jack output. Moreover, various secondary post processing functions for the waveform data are available in the Main Control Unit, including FFT analysis as shown in the screen example below.

RIONOTE System Configuration

Main Control Unit and Amplifier
Supports direct connection of microphones and piezoelectric accelerometers.

Sensor amplifier slides into the underside of the Main Control Unit

RIONOTE is a compact, lightweight, portable instrument that is easy to use and economical. It is designed for wireless use in anywhere. The Main Control Unit is a lightweight, portable instrument that can be configured to program of your choice. All on a large color display with both programs and hardware for this measurement.

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technology with the traditional virtues of RION;

RIONOTE consists of a Main Control Unit SA-A1 panels and allowing you to perform measurements easy and intuitive to operate, with the dedicated or touch screen. RION will continuously develop ensuring system of the future.

Octave band analysis

Real time analysis of noise or vibration levels for evaluation and designing countermeasures is usually performed by means of octave band analysis (using either octave bands or 1/3 octave bands). The below screen sample of the RIONOTE displays octave analysis results in 4 channels as a graph and numeric values at the same time.

RIONOTE intuitive user interface

Lets the user select the required program for the respective purpose: SX-A1FT (FFT analysis), SX-A1RT (octave band analysis), or SX-A1WR (waveform recording). The right side of the screen provides access to various settings.

RIONOTE calibration screen

Serves for calibration of microphones or accelerometers connected to the SA-A1.

RIONOTE also enables the use of a wireless dock or wireless sensor amplifiers to avoid the cost and hassle of cables. A plurality of wireless docks and wireless sensor amplifiers can be used simultaneously, up to 16 channels, to store the measured data in the Main Control Unit as well as in the memory of wireless dock or wireless sensor amplifiers.
This product is environment-friendly. It does not include toxic chemicals on our policy.

This product is certified to an International Protection rating of IP54 (dust protected and resistant to splashing water).

Water-resistant rating Equivalent to IP54