

QUICK START GUIDE



FK21 ANURA Connect Kit



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INTRODUCTION

Thank you for choosing the ReVibe FK21 for measuring vibrating screens.

The ANURA Connect Kit provides a simple and portable solution for measuring vibrations in industrial equipment, such as vibrating screens, sifters, crushers and rotating machinery. Featuring a single VS10-C wireless vibration sensor, this kit enables instant, real-time vibration measurements directly through the ANURA Connect mobile app. No cables, gateways or additional hardware required. Designed for quick diagnostics, spot checks and early-stage vibration evaluation, the kit helps technicians and operators understand machine behavior, identify anomalies and make confident decisions based on reliable vibration data. With its fast installation, wireless design and smartphone compatibility, the ANURA Connect Kit is the easiest way to get started with vibration monitoring.

SYSTEM PARTS

FK21 typically includes the following parts:

Name	Part no
Sensor	
VS10-C Vibration sensor powered by rechargeable battery	10075
Sensor software package A	70003
Visualization softwares	
ANURA Connect	70016
Vibreshark Basic (optional)	70010

BEFORE YOU BEGIN

Make sure you have:

- A VS10 sensor
- A smartphone (iPhone or Android)

Optional - if you use Vibreshark

- Access to your email on a computer
- Your Vibeshark software installed on a computer/laptop/tablet

ANURA CONNECT QUICK START

A. Install Anura Connect

Download from App Store (iPhone) or Google Play (Android). FREE

Search for it - or send an email to anurasupport@revibeenergy.com if you can not find it.

B. Activate the Sensor Node

To power on the sensor node, press the button and release it when a green LED in the button is activated. The LED will blink when the sensor is in motion. This indicates that the sensor node is activated., that is also when it records and sends data.

To power off the sensor node, press and hold the button again and release it when a red LED is lit.

C. Place the Sensor Node

Install the sensor node level on the vibrating screen (or the object you intend to measure). For best results, ensure the sensor is installed at 0° using a spirit level. Particularly important if you intend to measure stroke angle (shown in Vibreshark application).

Note: It can be beneficial to measure the same position on the screen. Some customers mark with a sticker what position they place the sensor. It is beneficial to attach a horizontal ruler of some kind (with e.g. double sided scotch tape)

D. Connect the sensor

Open up Anura Connect on your phone and connect to the VS10 sensor.

E. Record data

- 1) Place the sensor, start recording, and direct the phone towards the sensor with a note on what screen you are recording and position. A photo for reference is attached if you choose to.
- 2) Share the file with the attached .vibe file. Do not forget to write details in the message on what screen you are recording and what position you are measuring.

Note2:

When the vibrating screen is in operation, the sensor nodes transmit vibration data according to the pre configured user settings in ANURA Connect, these sample settings for Anura Connect can not be changed. Data is delivered to Anura Connect.

F. Sensor Node Charging and Status

The sensor node contains a rechargeable power cell. The sensor comes delivered in a charged state. Maximum charge is 4.2V and the sensor will operate until the discharged

state of 2.9V is reached. When discharge is reached the sensor node will turn off in order to protect the battery cell.

Use a standard USB-C charger, the battery will charge the battery cell until 4.2V is reached and a green light will be shown.

Typically you will be able to use the sensor for measurements for at least a week.

When you charge the sensor: The sensor light turns green (from blue) when it is fully charged.

G. Export data / Sharing

When you are connected, you can also export / share the data. It will be recorded as a .vibe file and you can share that and a table of data via e.g. email.

USING VIBERSHARK (OPTIONAL)

A. Introduction - use of Vibreshark for Anura Connect users

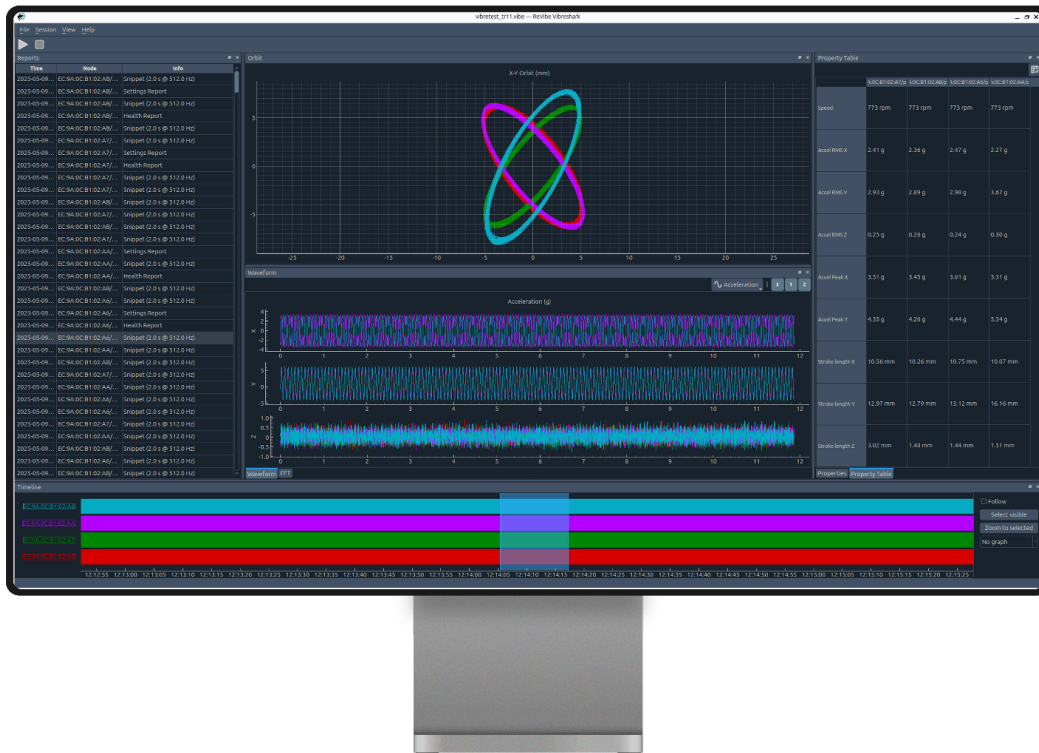
You can use Vibreshark for a couple of reasons

- Review detailed data from Connect app readings
- Make other types of measurements. e.g. for bearing condition using Vibreshark direct connection to sensor
- Update the sensors

B. About Vibreshark

Capabilities:

- Record up to 8 sensors time-synchronized using TR11 which is a separate transceiver connected via USB-C to the computer
- Record 1 sensor data directly to the computer using the built in Bluetooth antennae in the computer
- Save and Open up files with recordings of vibration data (collected in one file for up to 8 sensors)
- Analyze vibration signals using FFT and orbit plots
- Explore measurement data in a structured Property Table for deeper analysis
- Save measurement data to .vibe file
- Export data as csv files and easily share selected tables or data segments



Features	Vibreshark advanced	Vibreshark basic	Anura Connect
Sensor measurements	8 sensors (requires TR11 for time synchronization)	1 sensor (computer built in Bluetooth antennae)	1 sensor
Waveform, acceleration	3 dimension	3 dimensions	2 dimensions
Waveform, velocity	3 dimension	3 dimensions	No
Waveform, displacement	3 dimension	3 dimensions	No
Orbit plot, acceleration	3 dimension	3 dimensions	2 dimensions
Orbit plot, velocity	3 dimension	3 dimensions	No
Orbit plot, displacement	3 dimension	3 dimensions	No
Fitted ellipse to Orbit	3 dimensions	3-dimensions	No
Aggregated values (calculated values) short table three dimensions (Acceleration (G), peak-to-peak (mm))	Yes	Yes	Yes
Aggregated values (calculated values) long table three dimension (stroke length, stroke angle, acceleration RMS, Acceleration peak, Displacement peak-to-peak, displacement phase)	Yes	Yes	No
Screen RPM / Hertz calculation	Yes	Yes	Yes
Fourier Transformations plots (FFT)	Yes	Yes	Yes

Export/Save	.vibe, CSV	.vibe, CSV	.vibe
Firmware update	Yes	Yes	No
Set sample rate, snippet duration and intervals	Yes	Yes	No
Support for Transceiver (for simultaneous measurements)	Yes	No	No
Firmware update sensors	Yes	Yes	No
Language support	German, English, Japanese, Swedish	German, English, Japanese, Swedish	The languages that the phone supports

C. Licence key

You will need a license key - also to use the Free Basic license.

goto <https://revibeenergy.com/vibreshark/> to request a license.

D. Open up a file with already made measurements in Anura Connect

You typically have made measurements using ANURA Connect in this case. The file is stored in a .vibe format. These files that you have sent via email to your computer can be opened and visualized in Vibreshark. You will get more information then you get in the Anura connect application

E. Performing a measurement with one sensor connected to the computer

You can use a laptop/tablet with Vibreshark to perform enhanced measurements with the VS 10. I.e. for higher sample rates with non-continuous measurements. For example, to check bearings/exciters.

The typical laptop does not have a very good BLE antennae for connecting to the sensors. If you do these kinds of measurements. You should purchase the TR11 that has a better antennae and to which you can connect more than one sensor at a time.

F. Changing settings of the sensor

You can change settings of connected sensors in the Vibreshark application. The changed settings affect the connected sensors. They restart within one minute with the applied settings.

MAKE SURE:

that you do not connect to the sensors from a phone simultaneously as to the computer. It will not work well

OBSERVE:

The sensor when it is reconnected to Anura Connect phone application after a session connected to the Vibreshark application will automatically reboot and come back to the default settings provided in the Anura Connect use-case.

G. Firmware updates

The VS10 sensor supports sensor node firmware updates through VibreShark. Explicit updates can be required to achieve more functionalities or to correct bugs.

TIPS

- Name recordings clearly
- Keep notes of measurement points
- Use photos for traceability
- Example

PRODUCT CARE

To ensure long-term performance and reliability, follow the guidelines below.

A. General use

Do not drop, throw, or subject the product to excessive force, as this could damage the enclosure or internal components.

It can be a good idea to put a piece of scotch tape to cover the USB-C charging connector. It is waterproof. But typically the environments can be very dusty and thus cause troubles with the USB-C connector.

B. Cleaning

Clean the enclosure using a soft, damp cloth. Do not use abrasive materials or harsh cleaning agents, as these may damage the surface finish.

SUPPORT, WARRANTY & RMA ASSISTANCE

For product support, warranty claims, or to initiate an RMA (Return Merchandise Authorization), please visit the ReVibe Energy website for up-to-date resources and instructions.

<https://revibeenergy.com/>

RECYCLING

This product is marked with the crossed-out wheeled bin symbol, indicating that it must not be disposed of with household waste. The product should be delivered to an authorized collection point for recycling of electrical and electronic equipment.

Proper recycling helps reduce environmental impact, protects human health, and promotes sustainable reuse of materials. For additional information, contact your local authority or the retailer where the product was purchased.

CONTACT

Support

anurasupport@revibeenergy.com

Manufacturer:

Revibe Energy AB
Mölnsdalsvägen 95
412 63 Göteborg
Sweden
+46 (0) 31 24 23 22
www.revibeenergy.com

