



ANURA™ OnPrem

OPK14/18

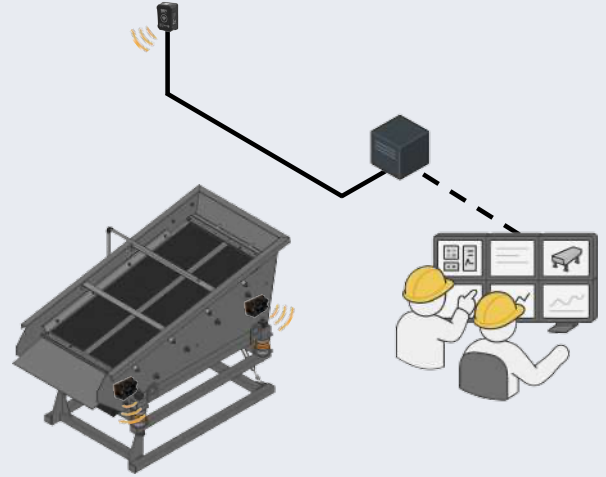
OnPrem Kit

Local monitoring for full data control –
real-time vibration insights directly into
your plant control system.

OPK14/18 OnPrem Kit

Vibration monitoring with direct PLC and SCADA integration

Designed for permanent vibration monitoring with direct PLC and SCADA integration, ANURA™ OnPrem delivers real-time condition data locally via Modbus TCP/IP, enabling reliable insights without relying on the cloud.



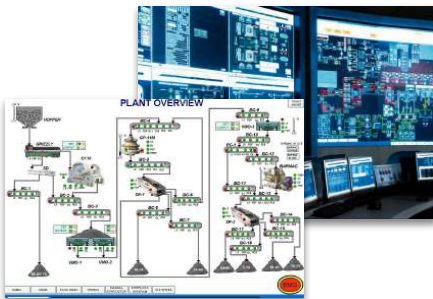
- ✓ Modbus TCP/IP connectivity, direct SCADA system integration
- ✓ Durable design delivering real-time vibration data actionable insights.
- ✓ Plug-and-play setup, pre-configured for out-of-the-box operation.
- ✓ Complete monitoring package with self-powered vibration sensors

Hardware:



Software:

Delivered in an open-standard format, the data connects directly to your PLC, SCADA, or HMI system via Modbus TCP/IP for real-time visualization and control.



SCADA-ready monitoring made easy

The **ANURA OnPrem** kits are ideal for industrial operators who require localized monitoring and seamless integration into existing control systems. Sensor-calculated vibration values are delivered directly into PLC, SCADA, or HMI environments to support automated condition monitoring and faster maintenance decisions..

OPK14 includes four VS1 sensors alongside one SB1, while the **OPK18** includes eight VS1 sensors alongside one SB1.



The OPK14 and OPK18 kits can be expanded with additional sensors as required, depending on application needs and project scope.



TECHNICAL SPECIFICATIONS



SB1 Sensor Bridge

Power supply	PoE, IEEE 802af
Connections	Up to 8 sensors
Interface	Neutrik RJ45 Ethernet
Wireless Communication	2.4 GHz
Enclosure Material	Hard-anodized aluminum, PA6
Ingress Protection	IP65
Dimensions (HxWxD)	140 x 98 x 60 mm
Operating Temperature	-40 °C to +80 °C



VS1 Vibration Sensor

Power supply	Self-powered w/ patented electromagnetic generator
Operating frequency	10-22 Hz at ≥1.5gRMS
Accelerometer	3-axis MEMS (±16 g, 16 kHz max)
Sample rate	Up to 16kHz
Dimensions (LxWxH)	135 x 98 x 60 mm
Ingress Protection	IP67
Operating Temperature	-40 °C to +80 °C
Mounting	3 x magnet mounts. Screw, adhesive tape or glue possible
Communication	2.4GHz, 50m line of sight

Sensor-calculated values

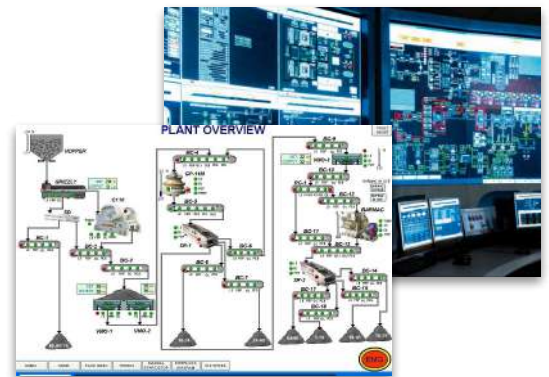
All values are measured and calculated in the sensors nodes, in X, Y and Z axes.

- RMS acceleration
- Peak amplitude of acceleration
- Frequency of highest spectral peak
- Peak-to-peak amplitude of displacement
- Maximum recorded acc
- Root mean square amplitude of velocity
- Planar stroke, method A
- Root mean square amplitude acceleration
- Crest factor of acceleration
- Peak amplitude of velocity
- Planar stroke, method B

Integrated into your environment

Delivered in an open-standard format, the data connects directly to your PLC, SCADA, or HMI system via Modbus TCP/IP for real-time visualization and control.

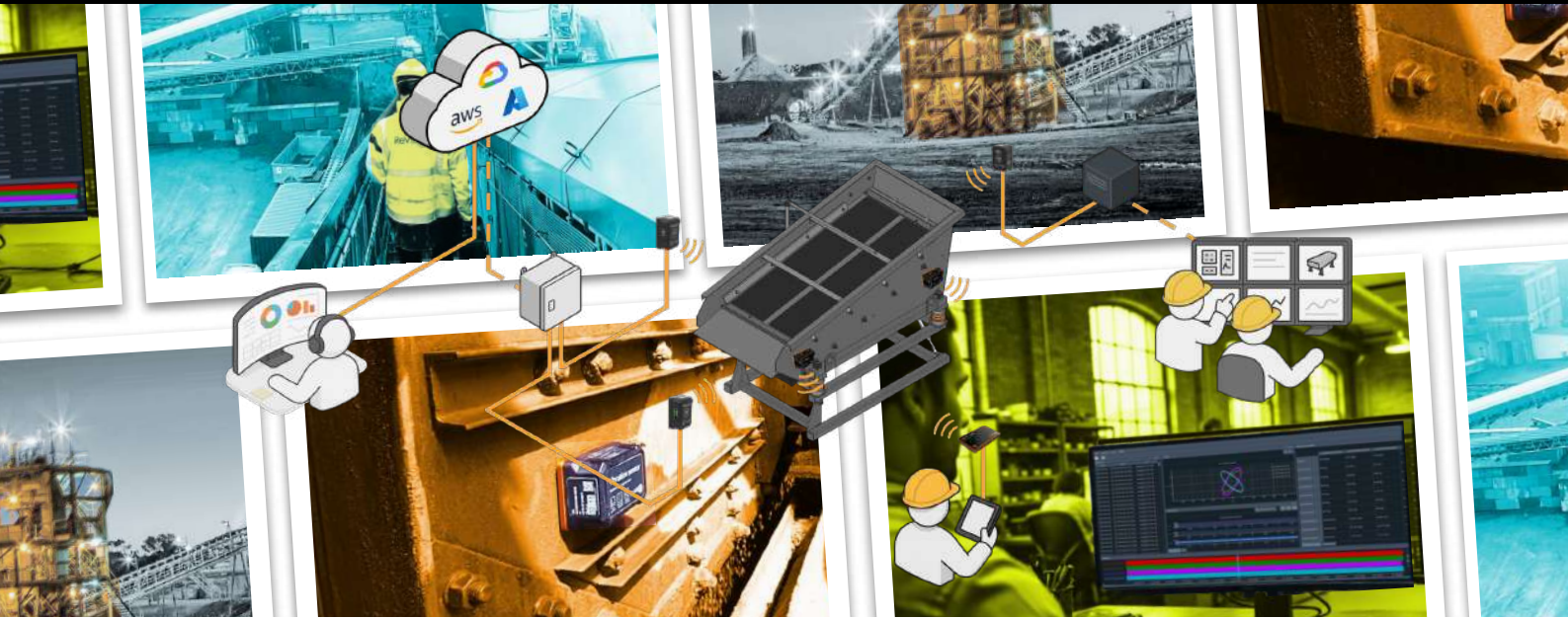
- ✓ Delivers real-time wireless sensor data directly into PLC, SCADA, and HMI systems.
- ✓ Uses open-standard Modbus TCP/IP for seamless integration into existing OT environments.
- ✓ Compatible with leading industrial platforms (e.g. Siemens, Aveva, Seeq etc.).



GET TO KNOW

ReVibe ANURA™

Wireless sensors that never run out of battery



Smarter vibration monitoring for demanding industries

Built for the toughest industrial environments, **ReVibe ANURA™** turns vibration energy into actionable insight. Its self-powered wireless sensors continuously monitor vibrating screens, feeders, and similar assets to detect faults, measure process performance, and safeguard uptime. With real-time, synchronized data and no need for maintenance, ANURA™ helps you move from reactive to predictive operations.

Vibration monitoring for your machines

No matter your setup, our wireless, self-powered sensors deliver real-time vibration data for automation, safety, and efficiency. Learn more about our open and configurable solutions for monitoring your vibratory equipment remotely, on-premises or in the field.

- ✓ **Drive automation forward**
Reduce manual inspection and enable continuous, data-driven monitoring
- ✓ **Protect workers and assets**
Limit exposure to hazardous areas through remote supervision
- ✓ **Boost operational efficiency**
Gain real-time insights to optimize uptime and lower maintenance costs

Our solutions:



ANURA™ Remote

Remote monitoring made simple – real-time data and analytics at your fingertips.



ANURA™ OnPrem

Local, self-powered monitoring with seamless integration to PLC and SCADA/HMI systems via Modbus TCP/IP



ANURA™ Field

Portable sensor kits for quick diagnostics and maintenance, visualized in ReVibe's Vibreshark software or the ANURA Connect app.



Get in touch to discuss your needs
contact@revibeenergy.com | www.revibeenergy.com

