Worldwide certified Explosion-proof by ATEX, IECEx, JPEx
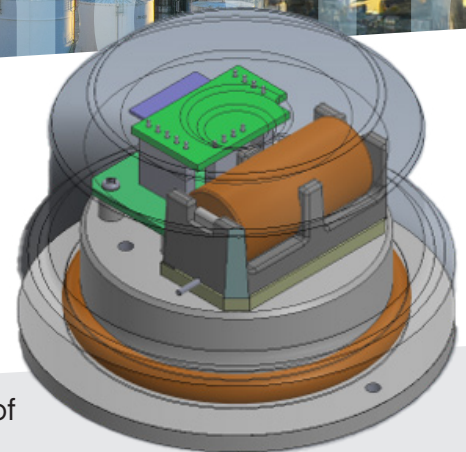
Flameproof and Dust-ignition Proof Enclosures

NSX
Natural Science eXecution

Remote monitoring of bearings in explosive atmospheres.

Explosion-proof

conanair

- 📶 Wi-Fi Compatible
- 🔋 Battery-powered
- 💧 Water-proof
- ⚙️ Automatic monitoring
- 💲 Affordable
- 🔧 Made in Japan

Designed for use in explosive environments (Zone 1), such as oil, gas, and chemical plants.

Easy to install, operate, and extract detailed data. Suitable for preventive/predictive maintenance. Flexible and versatile, allowing vibration data to be used in CMMS and various other systems.

Notable Clients and Alliance Partners

CHIYODA CORPORATION   JERA Energy for a New Era   MODE   CONEXIO   Sanwa Denso   AICHI STEEL

NSX NSXe Co. LTD.

Mini Wi-Fi Vibration Measurement Device
Explosion-proof [conanair]

Model	CNA-WLVS-02E
Acceleration Range	±160m/sec^2
Axis of Measurement	3-axis (X, Y, Z) and 3D Composite Value
Acceleration Response	10~1,000Hz, In case of HPF bypass; 0~1,000Hz (-3db in both cases)
Sampling Rate	3,200Hz
A/D Resolution	13bit
Networking	Wi-Fi　IEEE 802.11b/g/n (2.4GHz)
Power Supply	Non-Rechargeable Li-Ion Battery CR123A x 1pc
Operation time	Continuous : 15 hours (Not Continuous Measuring)
	Intermittent : 7years (Daily Once Measurement)
Electric Consumption	100mA
Size	Φ84×55 (60) mm (with magnet)
Weight	400g (with magbet and battery)
Protection class	IECEx : Ex db ⅡC T6 Gb, Ex tb ⅢC T63℃ T$_4$ 65℃ Db
	ATEX : Ⅱ2G Ex db ⅡC T6 Gb, Ⅱ2D Ex tb ⅢC T63℃ T$_4$ 65℃ Db
Ingress Protection Rating	IP67
Temperature Range	-10~59℃
Browsers	Google Chrome [Recommended]
	Microsoft Edge
	Safari
	*Internet Explorer is not supported.

Manual Operation

- Easy Operation by Browsers on Smartphone, Tablet or PC. No application required!
- Accelerations, Velocities and 3D Composite Values are indicated.
- Acceleration and Velocity Waveform Graphs of X, Y, Z axes are shown.
- FFT (Fast Fourier Transform) frequency analysis application is included.
- Acceleration Wave Data and their Summary Data can be downloaded in 2 seconds.
- Evaluation of machine viblation based on ISO 10816 is possible.
- Each Measuring Point can have Warning and Alarming values.

Automatic Operation

- Battery Life is 7 Years based on Single Measurement of 10 seconds a Day.
- Acceleration Wave Data and their Summary Data are automatically saved on a PC through Wi-Fi.
- Data Acquisition Interval is easily set on the Text File. (Max. 100 conanairs)
- Excel Macro example for Trend Graph is also attached.

Inquire to:

Developed by:

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