SKF Axios

The first line of defense for your machinery

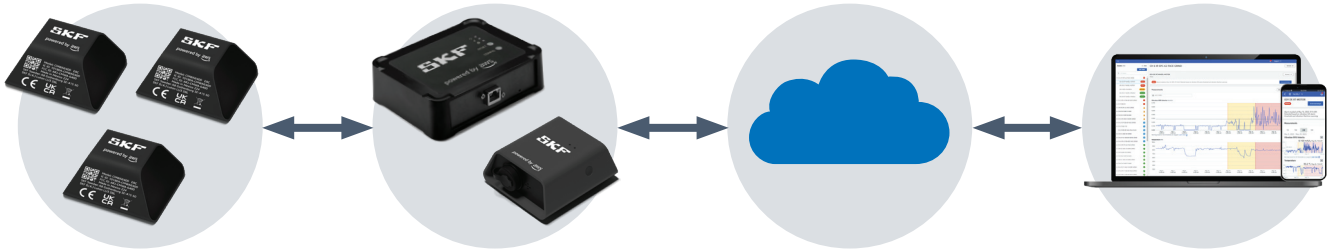
SKF Axios is a simple, wireless and scalable end-to-end predictive maintenance solution from SKF and Amazon Web Services (AWS). Ideal for virtually any industry including food processing, pulp and paper, pharmaceutical, utilities, universities, hospitals and more.

24/7 Wireless monitoring offers peace of mind

- **Fully automated wireless technology** for 3-axis vibration and temperature data collection
- **Works out of the box** and easy to install
- **No technical expertise** or vibration experience required
- **Uses machine learning** to detect anomalies and notify users
- **Cost-effective and scalable** – no need to make a case for capital expenditure
- SKF Axios sensors and gateways are backed by a **5-year warranty.**

Machine learning is key

SKF Axios collects and analyzes vibration and temperature data to **detect equipment anomalies** and provide notifications on the health of your machinery. When abnormal machine conditions are detected, users are alerted so they can respond with proper maintenance.



Sensors

Collect data from a wide range of machinery.

Gateways

Transfer data to the cloud via WiFi or Ethernet connection.

AWS cloud services

Use machine learning to analyze data and improve performance.

Apps

Enable users instant access to data and receive notifications on anomalies.

For more information, contact your BDI Representative or visit bdiexpress.com.

Download on the App Store

GET IT ON Google Play

SKF Axios is IP69 Rated and is ideal for washdown applications.

RATED IP69 RATED

Technical specifications for SKF Axios

Wireless Sensor

Measurements

3-axis MEMS accelerometer

Velocity:	Frequency response up to 6 kHz, sampling frequency 26.7 kHz
Maximum range:	up to 16 g
Temperature:	-4 to 176 °F (-20 to 80 °C)
Data collection frequency:	Once an hour

Environmental

Operating temperature range:	-4 to 176 °F (-20 to 80 °C)
IP rating:	IP69

Physical

Dimensions:	2.08 x 1.69 x 0.98 in (52.8 x 43.0 x 24.9 mm)
Weight:	1.9 oz (54 grams)
Mounting method:	Instant adhesive / Epoxy

Wireless communication

Wireless protocol:	Bluetooth Low Energy 5
App – Sensor interface:	NFC (Near Field Communication)
Gateway to sensor range:	65 to 98 feet (20 to 30 m) typical, depending on plant topology

Power source

Power:	Lithium metal non-rechargeable batteries
Battery life:	Estimated 5 years

Ordering information

Part designation	Description
CMWA 6400-5	SKF Axios Wireless sensor (5-pack)
CMWA 6710	SKF Axios Ethernet gateway
CMWA 6720	SKF Axios Wi-Fi gateway

Wi-Fi Gateway

Environmental

Operating temperature:	32 to 104 °F (0 to 40 °C)
IP Rating:	IP65

Physical

Dimensions:	3.6 x 3.1 x 1.5 in (9 x 7.8 x 3.8 cm)
Weight:	3.3 oz (95 grams)

Network communication

Internet connectivity:	Wi-Fi, 802.11b/g/n, ISM 2.4 GHz only

Power source

Power:	Power 5.0 V - 2.0 A DC AC adapter included for USA, UK and EU countries (indoors only)

Ethernet gateway

Environmental

Operating temperature:	-4 to 140 °F (-20 to 60 °C)
IP Rating:	IP65

Physical

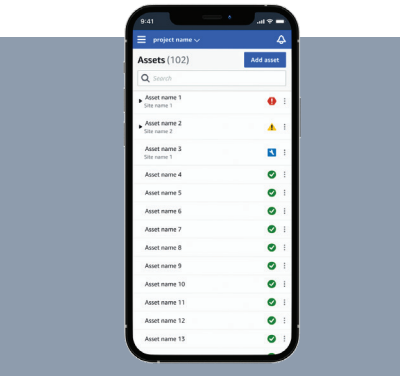
Dimensions:	5.5 x 4.2 x 1.6 in (13.9 x 10.7 x 4.1 cm)
Weight:	8.2 oz (230 grams)

Network communication

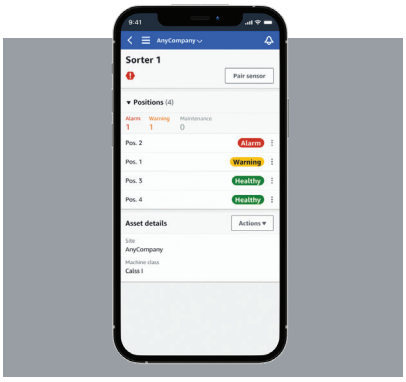
Internet connectivity:	RJ45 10/100Mbps

Power source

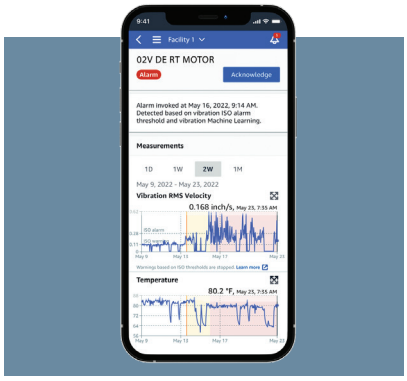
Power:	Power over Ethernet (PoE) 15.4 Watt class



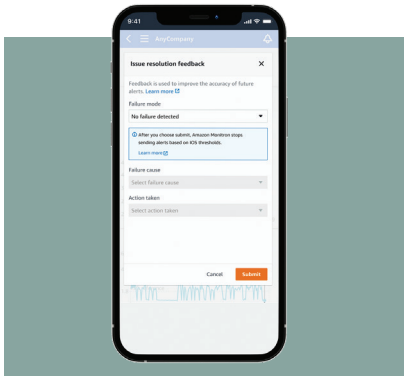
At-a-glance view of the health status of your assets.



View status at "Asset" and position levels (Alarm, Warning, Healthy).



View data trends and acknowledge alerts.



Enter resolution feedback to improve accuracy of future alerts.

For more information, visit bdiexpress.com.

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