u-CBM
Invented by Weidmüller.

Weidmüller ⚡

Condition Based Monitoring
u-CBM - The easy way to monitor machines and systems
Simple. Flexible. Independant.

Vibrations reveal a lot about the condition of a machine. They can, for example, indicate obvious signs of wear at an early stage. Our vibration sensor can reliably detect abnormal vibrations of evenly running machines.

With our off-the-shelf solution, you can perform vibration analysis quickly and easily. Installation takes less than 15 minutes, and no programming is required – just simple configuration. The sensor measures vibration and temperature from your machine and transmits the data to the PLC, where it is analysed and visualised in Node-RED, the intuitive open-source environment. All you need is your browser.

The kit includes the hardware as well as the application software on the PLC for local visualisation, storage and monitoring of the measured values. The application software also offers the option of connecting to further data services (multi-connectivity), providing the user with full ownership of the data at selected location.

Your benefits at a glance:

- Reliable monitoring of the overall vibration according to DIN ISO 10816

- Detailed FFT-based frequency analysis

- IP66 protection for harsh environments

- Variable mounting with M8 screw connection or mounting adapter

- Multi-connectivity

Economically
Reduce maintenance costs and avoid production downtimes through condition monitoring.

Efficient
Increase the overall efficiency of your equipment with information-based decisions.

Resilient
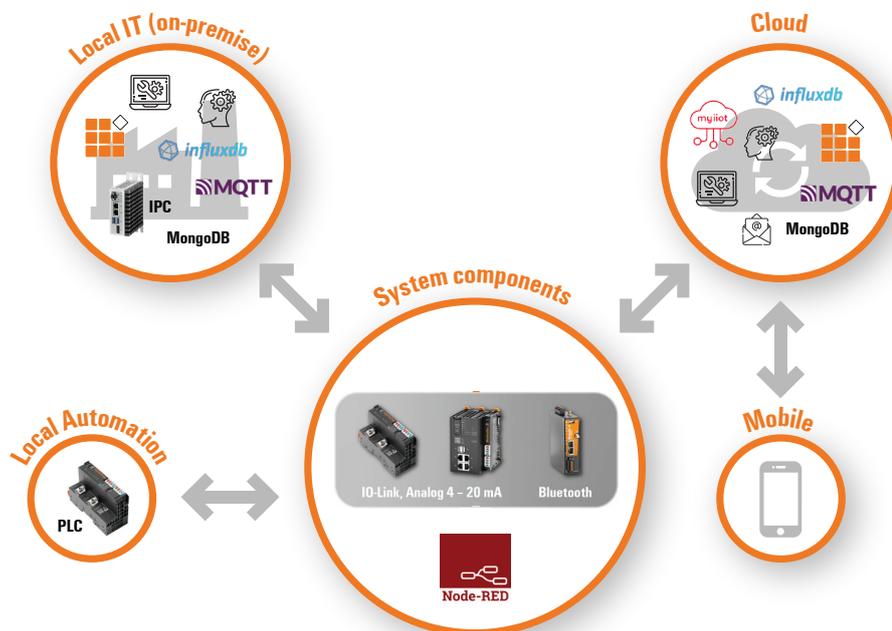Identify risks in time and thus strengthen the robustness of systems.

Retrofit
Simple and fast retrofit of existing equipment with sensors.

Central data visualisation and simple connection of your production and process equipment
Support of cloud and server solutions

Test your application with our Demo-Kit at attractive conditions!
Weidmüller accompanies the test phase with our technical support

Type	Description	Order No.	E-nr
Controll cabinet			
u-CBM 4g Flex4	Kit for 4 sensors, remote access	**7770020195**	**45 070 49**
u-CBM 4g Flex8	Kit for 8 sensors, remote access	**7770020199**	**45 070 50**
u-CBM 4g Flex12	Kit for 12 sensors, remote access	**7770020201**	**45 070 51**
u-CBM 4g BLE	Kit for 16 wireless sensors, remote access	**7770020203**	**45 070 52**
u-CBM Flex4	Kit for 4 sensors	**7770020196**	**45 070 53**
u-CBM Flex8	Kit for 8 sensors	**7770020200**	**45 070 54**
u-CBM Flex12	Kit for 12 sensors	**7770020202**	**45 070 55**
u-CBM Flex BLE	Kit for 16 wireless sensors	**7770020204**	**45 070 56**
Accessories			
VIB1	Wireless sensor	**2751260000**	
VIB24	Wired IO-Link sensor	**3094650000**	
US67-USB-STICK-BLE	USB Stick BLE 5.0	**2874720000**	
US67-BAT-COSL	Replacement battery wireless sensor	**2757620000**	
CBM-VIB1	Mounting magnet for wireless sensor		
CBM-VIB24	Mounting magnet for wired sensor	**3073750000**	

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