

CL@VE

Are you tired of unexpected breakdowns disrupting your workflow? Say goodbye to stress and financial losses with CL@VE sensor - your ultimate solution for predictive maintenance and uninterrupted productivity!

Imagine a day at work where every machine component is in perfect condition, and production runs smoothly without any hiccups. With CL@VE sensor, this dream becomes a reality. Say hello to efficiency and safety with CL@VE!

WHAT ISSUE WILL CL@VE RESOLVE FOR YOU?



General machine condition assessment for beginners



Advanced fault diagnostics for experts



Compliance with diagnostic standards



Assessment of bearing lubrication quality



Condition analysis of variable cycle and variable-frequency speed drive



Winding fault detection of electric motors



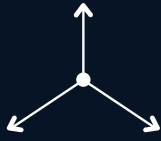
Investigation of incomplete discharges



Detection of leaks in compressed gas systems



Vibration analysis of soil and building structures



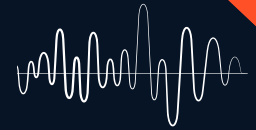
3D MEMS accelerometer

An accelerometer with a measuring range of ± 16 g and a bandwidth of 6.4 kHz will help you assess the condition of machines based on international standards



Temperature sensor

A temperature sensor with a measuring range of -20 to $+90$ °C will provide you with information about the operating conditions of machine components



Precision accelerometer

MEMS accelerometer with a measuring range of ± 50 g and a bandwidth of 15 kHz will help you react more quickly to emerging damage to rolling bearings and gears



Magnetometer

Using a magnetometer with a measuring range of ± 3 T, you can identify damage to the motor winding and measure the rotational speed



Lithium-ion battery

With built-in battery as a sensor it can run for 10 hours, as a machine condition monitor for 3 years



MODBUS/TCP

You will use it as part of an automation system, transmitting information about the status of machines and drives



MEMS microphone

Use the microphone to carry out vibration acoustic tests in the 15 Hz - 51.2 kHz band and detect leaks in gas installations



8GB memory

Built-in memory guarantees the storage of recorded signals



You can connect the CL@VE either wirelessly using Wi-Fi or wired using the Ethernet interface. The choice is yours!



The CL@VE sensor is ideal for workaround diagnostics. Using mVIDIA or MADI applications, you will perform the relevant analyses. For continuous surveillance, we recommend VIDIA software (VIDIA.server or VIDIA.cloud).