MiniOBSERVER

Smart condition monitoring sensor for spindle monitoring

When the motor spindle fails, the machine tool stands still. However, malfunctions of the spindle can be detected at early stage by continuous condition monitoring and failures can be prevented. The MiniOBSERVER records relevant variables for monitoring, such as vibration, temperature and shaft displacement, and evaluates these in relation to speed and position. Due to its compact design, the MiniOBSERVER can be flexibly integrated into the smallest installation spaces.



Your advantages

- Avoid breakdowns and save costs through permanent condition monitoring
- Early detection of faults by evaluating relevant parameters in time and frequency range
- Easy integration into machine network thanks to digital interface
- Intuitive set-up and parameterization with SensorDEVICE M
- Robust design for reliable operation
- Compact design enables ideal utilization of existing installation spaces

Product features at a glance



Integrated 3-axis MEMS



Real-time data transmission

Intelligent evaluation functions



Vibration analysis in the time and frequency range



Configurable alarm and warning limits



Degree of protection IP 68

Recognize errors, prevent failures, save costs



Failures in the motor spindle often announce themselves in advance. With the MiniOBSERVER's integrated condition monitoring, anomalies can be detected at an early stage, allowing failures to be prevented.



Application examples MiniOBSERVER



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