Machine Condition Monitoring System | MCMS

MCMS Description

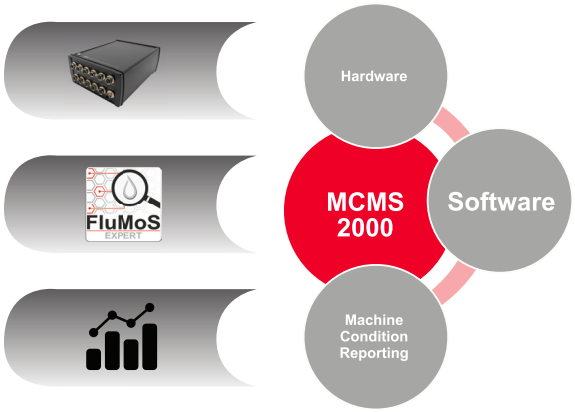
The MachineConditionMonitoring System MCMS 2000 is a condition monitoring system that specially tailored to the requirements of industrial gearboxes and stationary hydraulics systems with auxiliary power units mounted on roller bearings (e.g. pumps, electric motors).

Thanks to the simultaneous measurement of fluid, vibration and process parameters, imminent damage can be detected early and unplanned system downtimes can be avoided.

Central system administration and data analysis tool for this is the FluMoS expert software included in the scope of delivery. In addition to the administration of several MCMSs in a single software, it enables a database- and cloud-based storage of measurement data and high-performance tools for measurement data visualization and analysis.

Features and Benefits

- 2 input channels for IEPE vibration acceleration sensors
- 3 input channels for HYDAC SMART fluid sensors
- 10 input channels for analog sensors
- 2 switching outputs for controlling power units and signaling equipment
- Direct connection of the sensors via M12x1 connectors
- Simple network and system integration per Ethernet connection
- Visualization, analysis and administration of the measurement data using FluMoS expert
- Fail-safe and IT-independent measurement data storage thanks to integrated data logger
- High protection class with IP 66, no need for switch cabinet to be installed



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Schroeder INDUSTRIES
580 West Park Road | Leetsdale, PA 15056
ph. 724.318.1100 | fax 724.318.1200