

Filter Systems

A clever combination of fluid sensors for hydraulic and lubrication oils - FluidMonitoring Module FMM



Monitoring operating fluids is essential to ensuring the efficient operation of hydraulic and lubrication oil systems.

To carry out this task, Hydac offers FluidMonitoring Module FMM in a variety of designs. It is used for the permanent online measurement of the **particulate contamination, water saturation** and **temperature** of hydraulic and lubrication fluids.

It combines two of HYDAC's condition monitoring products, the ContaminationSensor CS 1000 and the AquaSensor AS 1000 or AS 3000, in one system.

The FMM enables continuous oil condition monitoring. This means that critical machinery statuses are detected early, machine runtimes are optimized and, finally, the total cost of ownership (TCO) is reduced.

The Hydac product range includes a variety of models for use in filtration & cooler/heater circuits up to 15 bar and in pressure circuits up to 350 bar.

Consequently, the FluidMonitoring Module FMM series is highly versatile and can be used in mobile hydraulics and industrial systems applications, such as machine tools, plastic injection molding machines, presses etc. They therefore support status-based maintenance planning.

The FMM series blocks have all the necessary hydraulic for conditioning the flow for the ContaminationSensor CS 1000, and are therefore easy to install in existing hydraulic circuits.

The FluidMonitoring Module series has the following properties:

- Permanent installation in the system
- Robust construction
- Cost-optimized solution
- Display & storage of the measured values using SMU 1200 or integration in PLC / PC programmes
- Driver package and functional components available in the FluidMonitoring Toolkit FluMoT

You will find additional Condition Monitoring information and products at

<http://www.hydac.de/de-de/fluidengineering/condition-monitoring.html>.

Or simply send an e-mail to <mailto:filtersystems@hydac.com>.