

Filter Systems

Versatile service using the FluidControl Unit FCU 1000 – monitoring fluids at hydraulic plants



Using condition monitoring systems on hydraulic systems means that the initial signs of damage to components can be identified in good time, longer oil change intervals can be achieved, maximum use can be made of components and as a result condition-based or preventative maintenance can be realized. The machine operator's objectives, such as, reduction in Life Cycle Cost LCC or Total Cost of Ownership TCO, can easily be monitored and implemented. The role of the FCU 1000 is to provide the operator with a log of the system condition following repair and service work etc.

In condition monitoring systems, the FluidControl Unit FCU 1000 by Hydac is a portable service unit for the measurement of particulate contamination and water saturation in hydraulic systems.

It provides an outstanding, high degree of user-friendliness. Many different utilization options for particle counts can be implemented, thanks to its integrated pump and pressure connection - working directly from the system or the tank.

Solid particulate contamination is measured according to the ISO 4406, SAE AS 4059 or NAS 1638 cleanliness classifications. Water saturation is output as percent saturation, and the fluid temperature display can be switched back and forth between °C and °F. The data can be stored via the USB port on the USB memory stick provided, transmitted to a PC and analyzed using Hydac's own FluidMonitoring Software FluMoS. The date and time reference of the measured values are also saved. The data is processed using HYDAC's own FluidMonitoring Software FluMoS.

NEW: FluidMonitoring Software FluMoS mobile for ANDROID devices available on Google Play.

A battery pack which allows short-term operation without having to be connected to a permanent power supply is available as an accessory.

The FCU 1000 has the following properties:

- Robust measuring technology tested in the field
- Compact design
- Simple operation (like a manometer)
- Cleanliness classes according to ISO, SAE and NAS
- Integrated AquaSensor AS 1000 for the measurement of water saturation and temperature
- Applicable for hydraulic fluids up to 350 mm²/s
- USB interface for transferring data onto a USB memory stick
- Battery pack accessory for operation independent of a permanent power supply
- NEW: FluidMonitoring Software FluMoS mobile for ANDROID
- Transfer & analysis of measured values to the smartphone or tablet PC
- Good price/performance ratio

Thanks to the compact, robust construction and optimal price/performance ratio of the FluidControl Unit, the FCU 1000 is particularly suitable for use with hydraulic systems as a service device in mobile applications as well as in status-oriented maintenance.

Additional information can be found at

<http://www.hydac.com/>

Or simply send an e-mail to .filtersystems@hydac.com