

Seamless [Plug&Play solution]

SMK

[INTELLIGENCE TO YOUR OIL SYSTEMS]

The Smart Monitoring Kit is a revolutionary concept that will provide intelligence to your standard filtration carts and hydraulic systems, allowing visibility of the performance of the asset condition.

The Smart Monitoring Kit is a universal solution that can be integrated into a hydraulic system independently of its brand and design. This kit is an add-on element with a plug&play configuration. The device will be able to offer particle counting based on ISO or NAS code and bubble counting along with shape recognition features and oil degradation, powered by Atten[2] OilWear 2.0 sensor.

The Kit counts with a flow condition solution (pump or valve) that allow the control of the operational conditions, independently of the fluid dynamics. As an option, it could be offered with a humidity sensor to measure the water content in the lubricant.

The Kit includes a HMI with all features to control the system, see real-time data, store and extract it via USB and connect remotely to digitalize your lubricant based asset condition monitoring.



[MAKE IT EASY, MAKE IT SMART]



SMK



SMK + PUMP

[SPECIFICATIONS]

	SMK	SMKP
Power supply	24 VDC	
Current consumption	200mA	800mA
Counting output	ISO CODE 4406 / NAS 1638 Total particles (P/ml) Air Bubble Detection & Discrimination & Counting (b/ml) Shape recognition (p/ml) - Fatigue, Sliding, Cutting & Others Oil Degradation (%) Flow rate (l/min)	
Alarms	Configurable alarms per level displayed on the screen	
Digital output	Ethernet RJ45 (Modbus: TCP/IP, FTP) Digital display HMI	
Oil pressure	2-45 bar	0-2,5 bar
Operation temperature	From -20° C to 70° C	
Viscosity Range	Up to 540 cSt	
Fluid compatibility	*Mineral and synthetic oil	
Precision	+/- 1 ISO CODE	
Hydraulic connection	1/8" BSPPF	
Dimension/weight	249x400x132 // 5 kg	249x400x132 // 5,6 kg
Wetted materials	Stainless steel BK7 Aluminium PTFE Viton NBR	Stainless steel BK7 Aluminium PTFE Viton PEEK NBR

*Contact us in case you need to confirm special fluids.

[HMI]

