

Seamless [Plug&Play solution]

SMK

[ON-SITE, REAL-TIME FLUID ANALYSIS]

The Smart Monitoring Kit (SMK) combines the unparalleled capabilities of the OilWear® sensor with a built-in HMI display, providing real-time information directly at the machine.

The sensor's advanced technology detects particles and bubbles as small as 4 microns, classifying them by size range. This real-time data offers precise insights into the machine's condition, based on fluid contamination levels.

The SMK is a plug-and-play integration kit compatible with all lubrication and hydraulic systems, regardless of make or design. It includes a flow condition solution to monitor operating conditions in both pressurized and depressurized systems, independent of fluid dynamics.

The HMI screen features all necessary functionalities to monitor the system, view real-time data, and store and export data via USB. Additionally, you can connect remotely for digitalized lubricant-based monitoring, ensuring comprehensive asset condition tracking.



[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) - Fatige, 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]

