Robust [Plug&Play solution]

RSMKP

[RUGGED SERIES]

The Rugged Smart Monitoring Kit has been specially designed for heavy-duty applications.

The Rugged Smart Monitoring Kit is a universal solution that can be integrated into a lubrication system independently of the brand and design. This kit is an add-on element with a plug&play configuration.

The device provides particle counting (ISO 4406 or NAS 1638), bubble counting, particle shape recognition and oil degradation information powered by Atten[2] OilWear® digital imaging technology sensor.

The Kit is equipped with a flow condition solution (gear pump) that allows operational condition control, independently of the fluid dynamics. Wireless communication can be provided via 3G and 4G gateway. The Rugged series is protected by a stainless-steel enclosure to ensure water and dust resistance (IP66 & IK10).

[APPLICATIONS]

Mining	**Automotive**	**Static systems**
▪ Excavators	▪ Excavators	▪ Crushers
▪ Trucks	▪ Trucks	▪ Mills
▪ Drill rigs	▪ Tractors	▪ Shaking tables

Atten[2]

[SPECIFICATIONS]

	RSMKP	RSMKPG
Power supply	24 VDC	
Current consumption	800mA	950mA
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 (%)	
Oil pressure	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	300x240x140 // 6,5 kg	
Wetted materials	Stainless steel PTFE Aluminum PEEK Viton NBR	
Protection class	Stainless steel IP66 & IK10	
Environmental	Vibrations IEC 60068-2-6 IEC 60068-2-27	
Communications	MODBUS RTU RS4852W	3G/4G Gateway **MQTT/SFTP

Contact us in case you need to confirm special fluids.

**Contact us to provide wireless communications support.