

Robust [Plug&Play solution]

RSMK

[RUGGED SERIES]

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

The Rugged Smart Monitoring Kit is an 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 (valve) 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

- Excavators
- Trucks
- Drill rigs

Automotive

- Excavators
- Trucks
- Tractors

Static systems

- Crushers
- Mills
- Shaking tables

[SPECIFICATIONS]

	RSMK	RSMKG
Power supply	24 VDC	
Current consumption	150mA	300mA
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 // 5,9 kg	
Weeted materials	Stainless steel Aluminium 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.