



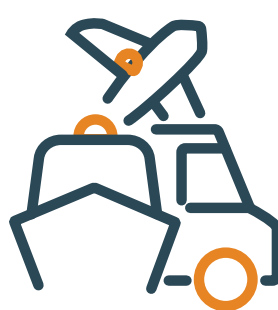
OPS3 Oil
Property Sensor

SMARTER OIL MONITORING: MULTI-PARAMETRIC SENSOR FOR PREVENTATIVE MAINTENANCE

MARKETS



Industrial and Commercial
Transportation



Aerospace,
Defense & Marine



Industrial

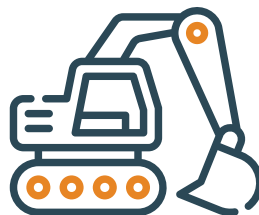
APPLICATIONS



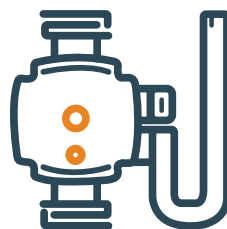
On And
Off-Highway
Vehicles



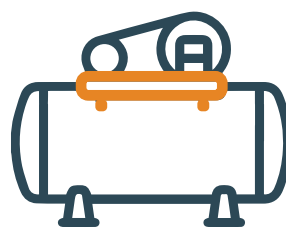
Mining
Trucks



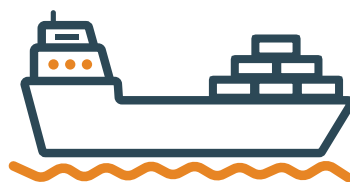
Construction
Vehicles



Hydraulic
Systems



Compressors



Cargo
Ships

Continuous oil condition monitoring is critical for ensuring peak performance and detecting early system failures in heavy equipment and hydraulic systems. It helps lower total cost of ownership by extending oil change intervals, reducing machine downtime, and minimizing oil waste.

TOP 4 BENEFITS



MULTI-PARAMETRIC SENSING

The OPS3 combines advanced tuning fork technology with additional sensing methods to simultaneously measure density, dynamic viscosity, dielectric constant, resistivity (R_p), and temperature. As the first sensor to combine all five in one compact device, it enables custom oil algorithms and greater system value.



ROBUST, COMPACT CONSTRUCTION

Built with stainless steel 316L housing, the OPS3 delivers exceptional durability, EMC robustness, and long service life in harsh environments. Despite its rugged design, it is up to five times lighter than comparable sensors, making it easier to integrate into weight-sensitive systems.



SEAMLESS INTEGRATION & COMMUNICATION

The OPS3 features a standard M14x1.5 threaded adapter for easy installation in on- and off-road vehicles as well as hydraulic systems. Communication is simplified through SAE J1939 compatibility and a standard CAN protocol, with a commanded address feature that allows users to configure the source address as needed.



CUT DOWNTIME, REDUCING COSTS

By monitoring oil degradation and contamination in real time, the OPS3 enables predictive maintenance, minimizes the risk of costly component failures, and allows flexible service intervals based on actual oil condition—extending system life while lowering total cost of ownership.

KEY OIL PARAMETERS AT A GLANCE



Viscosity η



Dielectric ϵ



Resistivity R_p



Density ρ



Temperature

The oil property sensor delivers real-time measurements of critical parameters. Integrate it with your condition monitoring system to increase vehicle uptime.

CONNECT WITH AN EXPERT ►

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