

SPECIALIST PRODUCTS

MERA IMS™ RSM

Reservoir Sensor Module

About the MERA RMS

The 'RSM' is used to sample oil from a reservoir in a continuous loop. The internal sensors sample at a rate of every 60 seconds to create an accurate trend. The closed loop allows for a high degree of accuracy as there are no outside factors such as contaminated sample jars or environmental factors.

The internal software controlled pump allows for accurate flow of oil to ensure that the same rate of sample is taken every time giving an accurate trend output.

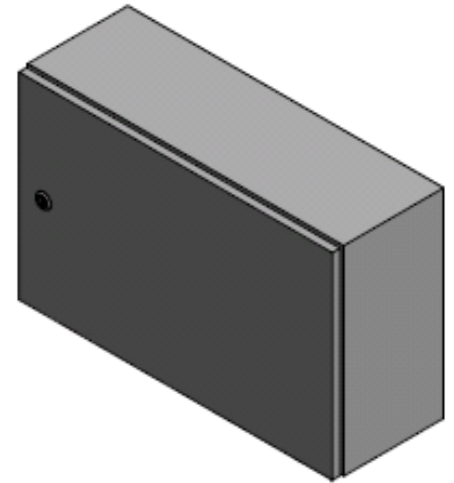
The data from the RSM is then fed back to the IMS HUB via CAN BUS and this raw data is then used within the IMS complex proprietary algorithm to calculate the condition of the oil and give the user accurate data to analyse.

Measured Parameters

- Particle contamination level
- Kinetic viscosity
- Humidity
- Conductivity
- Temperature
- Wear

Internal System Parameters

- Pressure
- Temperature
- CPU Status
- Pump Status



Data	Description	Unit
Electrical		
Power supply input	24	VDC
Power supply output	-	-
Current	<2	A
Control signal	4-20	mA
Com. interface	CanBus	CanOpen
Mechanical		
Dimension	600 x 380 x 210	W x H x D
Material	316	Stainless Steel
Protection Class	67	IP
Connection ¹	½"	BSP
Fluid type	Industrial	Mineral
Fluid operating temp.	-10...60	°C
Max outlet pressure	5	bar
Other		
Operation amb. temp.	-5...35	°C
Storage temp.	-5...50	°C
Ambient humidity	0...90	%
Max operating pressure	20	bar
Weight	20	Kg
Item number		
IMS RSM		101706

¹ Can be configured according to specification

Key Benefits

- Real time data monitoring of oil condition
- Extend the life of oil by knowing the condition at all times
- Decrease unnecessary oil changes saving money and time
- Increase environmental benefits from reduction in oil changes
- Early identification of component degradation
- Planned maintenance as required instead of set schedule