Seta Oil Arbiter CM1000-0

The Seta Oil Arbiter is an online condition monitoring suite designed to monitor in real time a constant flow of lubricant, reporting the following parameters:

- Metallic Wear Debris by size and metallic species (Machinery Condition)
- AC Conductivity, Permittivity (Oil Condition)
- Moisture Content (Dissolved water in oil, Contamination)
- Oil Pressure (Lubrication System Health)
- Oil Temperature (Lubrication System Health)

This condition monitoring solution is designed around the wear debris sensor and the fluid condition sensor, both units are robust in-line sensors designed specifically to operate into lubrication systems. Both sensors are factory calibrated devices with non-moving parts that possess high reliability and long term stability which eliminates the need for re-calibration.

The use of these sensors have a proven track record in reducing the overall operating cost of machinery as part of a proactive maintenance programme, with associated reductions of routine checks, lab testing and failure related downtime.

Specifications:	
Fluid compatibility:	Petroleum and synthetic oils only Do not use ester based oils, water/oil emulsions
Maximum fluid viscosity:	350 cSt @ 40 °C (104 °F)
Maximum system fluid pressure:	10 bar (145 psi)
Minimum fluid flow permitted: Maximum fluid flow permitted:	1.2 litre/minute 9.0 litre/minute
Process fluid temperature:	0 to 90 °C (32 to 194 °F)
Ambient operating temperature:	0 to 55 °C (32 to 131 °F)
Communication protocols:	CANOpen, ModBus over RS485
Digital interfaces:	CANOpen @ 500kbs, USB, Ethernet, ModBus over RS485 RTU
Outputs:	2 x dry contact, N.O. type voltage free (H-Alarm, H-Alarm) ModBus over RS485 RTU
Fluid port connections:	2 x ½" BSPP cone fitting
Connection method:	Din rail mounted clamp cage terminals
Power:	3A (max)
Voltage:	110/240 Vac, 50/60 Hz
Size (HxWxD):	60 x 40 x 20 cm
Weight:	16.5 kg

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