



## Oil Condition Sensor

- ✔ Detect when an oil is no longer fit for service
- ✔ Internal processing power offers wide interface options
- ✔ Take action on the first indication of change

# The Kittiwake Oil Condition Sensor goes beyond normal protection systems. It monitors the root cause of lubricant and machine failure, putting the user in control. Know exactly when to change the oil based on condition, not on historical schedules.

Today's lubricants are better quality than ever before. Sticking to traditional oil change intervals is expensive. Whilst lubricants are performing better, they are still at risk from changing operating and environmental conditions. That's why oil analysis services include an oil condition component. It helps detect when the oil may no longer be fit for service, possibly even pinpointing a contaminant or machine fault as the cause.

The Kittiwake Oil Condition Sensor goes beyond the normal hand-held field go / no-go units by offering permanent mounting for continuous monitoring. Providing a check on both water ingress and oxidation levels, monitor in real-time and take immediate action on the first indication of change, before any harm is done to the machine or the oil. The Kittiwake Oil Condition Sensor can be mounted within almost any lubrication system on any type of machine. The sensor detects changes caused by water and acid levels using a combination of proven dielectric sensing, combined with smart algorithms to provide a trend.

Whether it's to check on the health of the lubricant or alert the user to changing contaminant ingress, the Kittiwake Oil Condition Sensor provides instant information, complementing your existing laboratory oil analysis programme and helping you make informed maintenance planning decisions.



Technical Specification		Ordering Information	
<b>Ambient Temperature:</b>	-20 to 70°C (-4 to 158°F)	<b>Product Code</b>	<b>Description</b>
<b>Analogue Output:</b>	4 - 20 mA	<b>FG-K16203-KW</b>	Standard reach - Analogue output
<b>Digital Output:</b>	CAN, RS232	<b>FG-K14492-KW</b>	Long reach - Analogue output
<b>Connections:</b>	1/2" BSP male thread	<b>FG-K16330-KW</b>	Standard reach - Analogue & digital output
<b>Detection:</b>	Oil condition (oil quality units)	<b>FG-K16340-KW</b>	Long reach - Analogue and digital output
<b>Fluid Compatibility:</b>	Petroleum and synthetic oils	<b>FG-K16318-KW</b>	Evaluation pack standard reach, dual outputs, includes case, power supply and display
<b>Fluid Temperature:</b>	-20 to 130°C (-4 to 266°F)	<b>FG-K16354-KW</b>	Evaluation pack long reach, dual outputs, includes case, power supply and display
<b>Max. Fluid Pressure:</b>	10 bar (145 psi)		
<b>Options:</b>	Variable sensor head reach, power supply, stand alone display unit, cable termination options by special request		
<b>Power Supply:</b>	15 - 30 VDC		
<b>Protection:</b>	IP67		
<b>Range:</b>	0 - 100 Oil Q Units		
<b>Repeatability:</b>	4 %		
<b>Weight:</b>	250 g (9 oz)		
All sensors come complete with software for data downloading and trending. Contact Kittiwake for information about the wide range of installation accessories and alternative options that are available to suit your specific application.		<b>Typical Applications</b> <ul style="list-style-type: none"> <li>Wind Turbines</li> <li>Generator Sets</li> <li>Industrial Applications</li> </ul>	

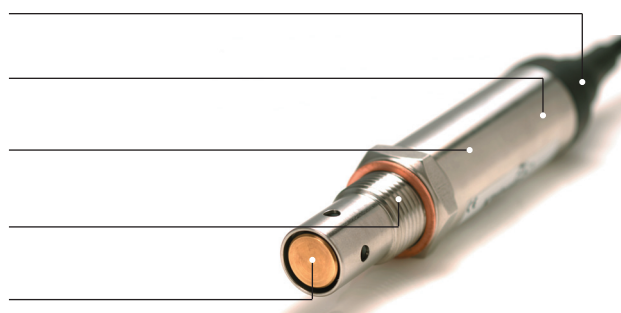
High integrity sealing, using standard automotive techniques

Internal processing power offers wide interface options

Stainless steel housing - rugged and long life performance

Widely used 1/2" BSP thread - quick and easy installation to a wide range of machinery

Gold oil sensing contact - long life and sensitivity



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