

[Home](#)

[Products](#)

[Support](#)

[Industries](#) / [Products](#) / [Regulators, Monit...](#) / [Monitoring](#) / [Portable Heated V...](#) / [FG-K1-200-KW](#)

[Services](#)

Portable Heated Viscometer

[Solutions](#)

Part # FG-K1-200-KW



The Parker Heated Viscometer is a highly rugged and easy-to-use diagnostic device that provides oil viscosity centistoke results in minutes for fast onsite maintenance decisions. Supplied in a compact case for maximum portability.

[View Series Page](#)

[View Catalog\(s\)](#)

[Share / Email](#)

[Print](#)

Technical Specifications

Brand:	Kittiwake	Signal Output:	Visual
Division:	Hydraulic & Industrial Process Filtration Division EMEA	Specifications Met:	CE Certification
Industry:	Marine, Automotive, Transportation, Agriculture, Construction, Oil and Gas, Mining, Forestry, Industrial Plant, Aviation	Sensing Method:	Rolling Ball
Application:	Marine Vessels, Trucks, Heavy Equipment, Hydraulic Presses, Wind Turbines, Industrial Plant Equipment	Accuracy:	+/-2 cSt
Technology:	Filtration, Hydraulics	Cycle Time:	Repeat tests 30 seconds max., Viscosity at 104°F/40°C unheated 3 mins, Heating from 77°F/25°C in 10 mins
Product Type:	Condition Monitor	Materials of Construction:	Steel
Product Style:	Viscosity Sensor	Body Material:	Steel
For Fluid Type:	Lube Oils, Fuel Oils	Seal Material:	Flurocarbon
Operating Temperature:	40 °C, 104 °F	Length:	155 mm
Electrical Requirements:	110 to 240 AC 50/60 Hz	Height:	155 mm
		Width:	70 mm
		Weight:	7 kg, 15.5 lb
		Package Type:	Rugged Design Portable Case

[Safety Warning](#)

Item Information

Fuel and lubricating oils form a major cost element in the operation of almost all industrial machinery and engines. As a result, oil quality must be closely monitored to protect owners' investment.

Viscosity is often regarded as the most important characteristic of hydraulic, gear, and lubricating oils. The correct viscosity level provides resistance, optimum film strength in system clearances, and minimum friction losses and leakage.

Viscosity can increase or decrease as a result of problems such as contamination, fuel dilution, and shear thinning. Periodic measureme...



Viscosity is extremely important for determining oil suitability and protecting critical engine components. Testing viscosity can also be used for correct grade of fuel is being used, calculating combustion performance, and for adjusting of fuel handling and injection systems.

Home

The Parker Kittiwake Heated Viscometer is an innovative condition-monitoring tool that provides the capability to measure oil viscosity, allowing users to make informed operational and maintenance decisions about critical machinery and equipment. The viscometer is suitable for testing viscosity of both residual fuel and lube oil from a wide variety of applications including diesel engines, gas and aviation turbines, gearboxes, hydraulics, and marine fuels.

Products

Supplied in a compact case and designed for ease of use, the viscometer is highly portable and ideal for harsh field applications. It provides the ability to test on-site, at the point of use, which enables engineers and facilities managers to conduct oil analysis quickly and easily. Detecting out-of-spec fuels or lubricants can identify potential problems before equipment damage occurs.

Support

The Parker Kittiwake Heated Viscometer measures the viscosity of the oil sample using a 'tilt' motion, moving from side to side in both directions. In motion, an internal rolling ball travels through the sample, using gravity to calculate the viscosity. This measurement is taken at ambient temperature and then again with the heater in the viscometer turned on, providing the user with two points of reference for greater certainty and awareness of oil condition trends.

For additional information, consult the Parker Kittiwake Heated Viscometer documentation in the "Related Documentation" section.

Benefits

- Provides field service personnel with the capability to quickly and easily determine the viscosity (and condition) of their oil, providing early warning of impending engine component failure
- Allows users to verify correct fuel grade or blend has been delivered and is acceptable for storage, as well as estimate the combustion performance (CCAI) of fuel oil
- Removes the need for costly and often time consuming laboratory analysis of mineral and synthetic oils used in engines, gearboxes, and bearing lubrication systems
- Compact, portable design provides ease of use in the field
- Heavy-duty, robust design allows for long-term use in harsh field applications

CAD Drawings + Files



Related Documents



Parker Sales Company UK

psc.uk.webform@support.parker.com
[+44 \(0\)1926 317878](tel:+441926317878)

+ Company Information

+ Global Operations

+ Help & Support

+ Follow Us :

© PARKER HANNIFIN CORP 2023

ENGINEERING YOUR SUCCESS.

[SITE MAP](#) [SAFETY](#) [PRIVACY POLICIES](#) [TERMS AND CONDITIONS](#)





[Home](#)

[Products](#)

[Support](#)

[Industries](#)

[Services](#)

[Solutions](#)

[Where to Buy](#)

