



HEATED VISCOMETER (FG-K1-200-KW)

Knowledge of fuel oil viscosity is important for verifying the correct grade of fuel is delivered, for calculating combustion performance, plus adjusting of fuel handling and injection systems. Viscosity of lube oil is the most important property of oil. Lube oil of the correct viscosity will provide optimum film strength in bearing clearances with minimum friction losses and leakage.

The Kittiwake Fuel and Lube Oil Viscometer is extremely rugged and ideal for harsh industrial applications. The Viscometer is suitable for use on oils from a wide variety of applications including diesel engines, gas and aviation turbines, gear boxes, hydraulics and fuel oils. The Kittiwake Viscometer can be used in 3 ways:

1. Unheated with automatic viscosity correction to 40°C for lube oils.
2. Heated to 40°C for distillate fuels and lubricating oils.
3. Heated to 50°C for residual fuel oils.

Readings are uniquely provided directly in centistokes.

Supplied with an extensive instruction manual and Training CD for the use of the equipment together with interpretation of results.

SPECIFICATIONS

Range:

20-810cSt at 50°C (ISO Fuel Grades RMA10 to RML55)
 20-810cSt at 40°C (lubricating oils SAE5 through SAE50)

Test Time:

Heating from 25°C 10 mins. Viscosity at 40°C unheated 3 mins. Repeat test 30 secs maximum

Calculations:

Viscosity at 50°C or (heated)
 Viscosity at 40°C (unheated, corrected to 40° heated)
 Viscosity at 100°C (calculated)
 Calculated Aromaticity index (CCAI)
 Density correlation from 50°C to 15°C in vacuo
 Variable viscosity Index (for unheated mode)

Accuracy: Typically within +/-3% (15-450cSt)

Correlation: ASTM D445/IP71

Application: Fuel Oils and Lube Oils



FEATURES

Monitors changes in lubricating oil viscosity, preventing costly engine and machinery failures.

Verifies correct fuel grade or blend has been delivered.

Checks that fuel viscosity is acceptable for storage, pumping and purifiers.

Estimates the combustion performance (CCAI) of fuel oil.

Correct density from 50°C. to kg/m³ @ 15°C in vacuo.

SPARES

item ▼	part no. ▼
Spare Seals, Fuses and Balls	FG-K10503-KW
Viscometer Power supply	AS-K3-013-KW
Viscometer End Cap	AS-K11097
Viscometer End Plug	AS-K11098
Viscometer 24v Power Lead	EL-K10450

WEIGHTS, DIMENSIONS, POWER

Power: 110/240 VAC user selected.

Dimensions: 25 x 13 x 9 cm

Weight: 10 kg

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