



## OIL TEST CENTRE

## FG-K1-100-KW

The Oil Test Centre (OTC) is a suite of electronic oil test equipment designed for testing fuel and lubricating oils in harsh marine and industrial environments. The OTC has been independently correlated against laboratory test procedures. Options include tests for diesel and gas engines, turbines, hydraulics and gear oils.

The OTC is supplied with a complete technical and training manual which explains the use of the equipment together with a detailed interpretation of results.

### It pays to look after your oil!

Machinery failure is expensive. To ensure trouble free operation, you need to care for the lubricant.

**Example:** A typical large diesel engine. In one year and without incident, the piston rings will travel in excess of 250,000 km at a distance of only 0.01mm from the cylinder liner!



▲ Supplied in a rugged NATO approved case.

### What can the Oil Test Centre monitor?

Choose from a number of configurations (see chart on reverse). Tests are easy to perform and provide laboratory grade results. Tests include:

- ▶ Viscosity (heated)
- ▶ Viscosity (unheated)
- ▶ Total Acid Number
- ▶ Total Base Number
- ▶ Water in Oil
- ▶ Insolubles

### Features & Benefits

- ▶ Purpose designed for reliable and accurate oil condition monitoring. Highlights problems before they become serious, preventing costly machine downtime.
- ▶ Easy and quick to use - can be operated by non-technical staff without any sample preparation.
- ▶ Robust design suitable for long term use in harsh environments.
- ▶ Convenient, low maintenance equipment, easy to clean and store, gives reliable results on-site as you need them.



### Military Stock Code:

Oil Test Centre, NATO Stock Number  
NSN: 6630-99-215-5830

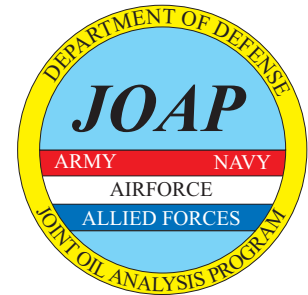
## Recommended Configurations:

The following configurations are supplied in our standard Kittiwake robust metal case. If you require a portable case, please enquire.

Application Test	Order Number	0-25% Water	0-6000 ppm Water HG	0-55 TBN	TAN	15-500 cSt Viscosity (unheated)	20-810 cSt Viscosity (heated)	Insolubles
Diesel Engines	FG-K1-100-KW-A	●		●		●		●
	FG-K1-100-KW-AH	●		●			●	●
Steam turbines, compressors & gear boxes	FG-K1-100-KW-B	●			0-6	●		
	FG-K1-100-KW-BH	●			0-6		●	
Aviation lubes & hydraulics	FG-K1-100-KW-C		●		0-6	●		●
	FG-K1-100-KW-CH		●		0-6		●	●
Other configurations available	FG-K1-100-KW-D		●		0-3	●		
	FG-K1-100-KW-DH		●		0-3		●	
	FG-K1-100-KW-E		●	●	0-3	●		●
	FG-K1-100-KW-EH		●	●	0-3		●	●
	FG-K1-100-KW-F		●	●		●		●
	FG-K1-100-KW-FH				●			●

## Spare Parts

Part No.	Item/Test	Range
AS-K1-104	Water in Oil Cell	0 - 2.5%
AS-K1-105	Water in Oil Cell	0 - 6000 ppm high gain
AS-K1-106	Total Base Number Cell	0 - 55 TBN
AS-K1-107	Insolubles Cell	0 - 3.5 %
AS-K1-108	Total Acid Number Cell	0 - 6 TAN and 0 - 3 TAN
FG-K1-200-KW	Viscometer (heated)	20 - 810 cSt
AS-K1-110	Viscometer (unheated)	15 - 500 cSt
FG-K10503-KW	Spare Seals, Balls & Fuses	
AS-K11097	Viscometer End Cap	
AS-K11098	Viscometer End Plug	
AS-K12219	Console to PC Datalink Kit	
MA-K10598-KW	Fuel & Lube Oil Training Manual	
MA-K10284-KW	Fuel & Lube Oil Training CD	



*Joint Oil  
Analysis  
Programme*

## Reagents

(Supplied complete with replacement spares and consumables)

Part No.	Reagent Packs	Quantity
FG-K2-001-KW	Water in Oil	50
FG-K2-002-KW	Total Base Number	50
FG-K2-003-KW	Insolubles	50
FG-K2-004-KW	Water/Insolubles/Total Base No.	50/50/50
FG-K1-006-KW	Insolubles in Lubricating Oil	100
FG-K1-005-KW	Salt Water Contamination Kit	25
FG-K2-005-KW	Total Acid Number (0 - 3)	50
FG-K2-006-KW	Total Acid Number (0 - 6)	50

Used for On-Ship Lube Oil  
Analysis Programmes in:

- ▶ UK Navy
- ▶ US Navy (LANT Fleet, PAC Fleet, MSC)
- ▶ Spanish Navy
- ▶ Australian Navy
- ▶ French Navy
- ▶ Brunei Navy
- ▶ Italian navy

## Technical Specifications:

**Dimensions:** 57.5 x 36 x 31 cm

**Power:** 110/240 VAC (auto selected)

**Weight:** 18 kgs

**Operating Temperature:** 10 - 50 °C

