

# IN Oil Test Centre OTC



## FG-K1-100-KW-IN-G

The Oil Test Centre is a suite of electronic oil test equipment designed for testing fuel and lubricating oils in harsh marine environments.

The OTC has been independently correlated against laboratory test procedures.

It is supplied with a complete technical and training manual which explains the use of the instrument together with a detailed interpretation on the results.



### Following Tests can be performed in the OTC:

1. Viscosity
2. Water in Oil
3. Total Acid Number (TAN)
4. Total Base Number (TBN)
5. Insolubles



### Features and Benefits

- 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 with basic training.
- Robust design suitable for long term use in harsh environments.
- Convenient, low maintenance equipment, easy to clean and store.
- More than 150 kits in active use in the Indian Navy
- Calibration Centre in India



## Ordering Information

S. No	OEM Description	DCAN/ILMS Code	ILMS DESCRIPTION	OEM PART NO.	RANGE	Correlation
1	MAIN CONSOLE (Console is the central unit for the Lube Oil Analysis Kit. Without Console no parameter can be tested)	N6625-021727	TEST SET, MESSAGE CONSOLE	FG-K1-100-KW-IN		
2	WATER TEST CELL - Percentage	N6630-001453	CELL, COLORIMETER	AS-K1-104-IN	0-2.5%	ASTM 4298 / IP 386
3	WATER IN OIL REAGENT PACK; FOR 50 TESTS (Reagent 'A' and 'B')	N1650-006598	SAMPLE KIT, OIL AND HYDRAULIC FLUID	FG-K2-001-KW-IN		
4	TBN TEST CELL	N6630-001454	CELL, COLORIMETER	AS-K1-106-IN	5-99 TBN	IP 400
5	TBN REAGENT PACK; FOR 50 TESTS (Reagent 'C')	N1650-006602	SAMPLE KIT, OIL AND HYDRAULIC FLUID	FG-K2-002-KW-IN		
6	INSOLUBLE TEST CELL	N6630-001450	CELL, COLORIMETER	AS-K1-107-IN	0-3.5%	IP 316
7	INSOLUBLES REAGENT PACK; FOR 50 TESTS (Reagent 'J')	N1650-006601	SAMPLE KIT, OIL AND HYDRAULIC FLUID	FG-K2-003-KW-IN		
8	TAN TEST CELL	N6630-001452	CELL, COLORIMETER	AS-K1-108-IN	0-3	ASTM D644 / IP 177
9	TAN REAGENT PACK; FOR 50 TESTS (Reagent 'D' and 'F')	N1650-006600	SAMPLE KIT, OIL AND HYDRAULIC FLUID	FG-K2-006-KW-IN		
10	HEATED VISCOMETER	N6630-001449	VISCOMETER, TUBE TYPE	FG-K1-200-KW-IN	20-810 cSt	ASTM D445 / IP 71

### Technical Specifications:

Dimensions: 57.5 x 56 x 31 cm  
 Power: 110/240 VAC (Auto Selected)  
 Weight: 18kgs  
 Operating Temperature: 10-60 deg C  
 Nato Stock Number: 6630-99-215-5831

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.



Used for On-Ship Lube Oil Analysis in:

UK Navy  
 US Navy  
 Spanish Navy  
 Australian Navy  
 French Navy  
 Brunei Navy  
 Italian Navy  
 Indian Navy  
 Canadian Navy

### lubMONITOR software (sold separately):

- Software for data transfer, trending and analysis and reporting.
- Extraction to csv helps in working in conjunction with other softwares.
- Common software can also be used with Kittiwake Ferrous Debris Monitor, fdM+