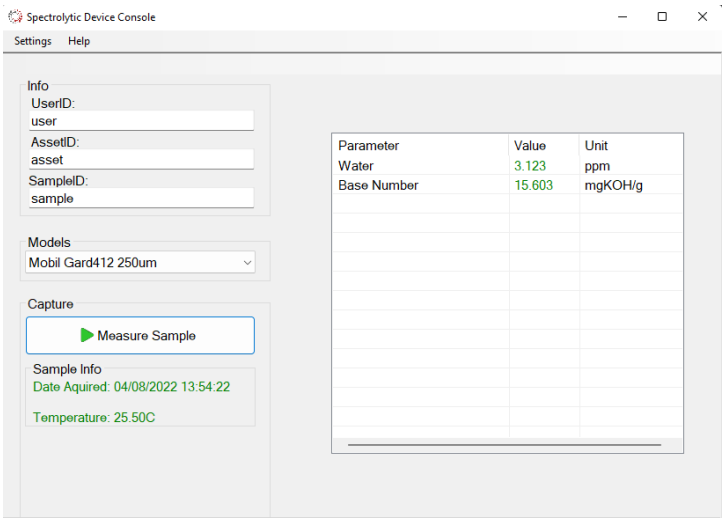
FluidInspectIR® PORTABLE by Spectrolytic

FluidInspectIR®

Portable Oil Condition Analyser



Summary Information

- Measurement of key degradation and contamination parameters in oils and lubricants
- Engine, Gearbox, Turbine, Hydraulic oils and others
- Oxidation, Water, TAN, others (see table overleaf)
- Correlates to ASTM / DIN
- System Can be configured For:
    - Group 1-4 Base Oil Stocks
    - Or Polyolester and Phosphate Ester Oils
- Portable and Benchtop operated

Application

The FluidInspectIR® analyser measures key oil degradation parameters with the same accuracy and displays these oil parameters in the same units as asset owners are used to from conventional oil laboratories reports. The analyser can be easily configured for most oil types and applications and comes with interchangeable flow-cells depending on the oil application.

How to use

The 2-3ml of oil sample is dispensed into the inlet tubing of the flow-cell via a syringe. The flow-cell is placed into the analyser and the measurement is started from the software.

The software is an easy-to-use GUI ran from a Tablet / Laptop (windows 10).

Spectrolytic
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Specification

GUI:
Software Console provided for use on windows 10 based laptop / tablet (tablet can be provided as option)

Ambient operating temperature & humidity range:
0-70C non -condensing

Power requirement:
Mains chargeable. 2500mAH LiPo battery in device

Internal battery capability typical runtime:
250 sample measurements between charge

Measurable Parameters:
Note that not all of these parameters can be measured with same device

Repeatability:
<+-5% of measured value

Accuracy:
<+-5% of measured value

Measurable Parameters:
Note that not all of these parameters can be measured all at once with same device

Consumables:
Syringes and containers for oil dispense (5ml)

Sample volume:
5ml

	Gas Engine (Landfill or LNG)	Turbomachinery	Hydraulic	Dielectric Oils	Gears and Rollers	Aluminium Rolling	Marine VLSFO / Diesel Engine	Diesel Engine	Marine Stern Tube / Thruster EAL	Metal-Working Fluids/Emulsions
Oxidation – abs/cm	✓	✓	✓	✓	✓		✓	✓	✓	
Nitration – abs/cm	✓									
Sulphation – abs/cm	✓						✓	✓		
ipH	✓									
Water – Low end (<1%)	✓	✓	✓	✓	✓		✓	✓	✓	
TBN – mgKOH/g	✓						✓	✓		
TAN – mgKOH/g	✓	✓	✓	✓	✓		✓		✓	
Amine AO – %		✓								
Phenol AO – %		✓								
Mobil Wyrol 2,4,6,8 – wt%						✓				
Total Concentrate – m/m%										✓
Brix										✓
Specialist Additive Packages – m/m%										✓
Other additives upon request	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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