



Extend oil use



Reduce maintenance



Reduce breakdowns



Detect contamination

## PRODUCT DESCRIPTION

The Mobile Oil Tester (MOT-1) Kit is an essential tool for any maintenance crew or facility. Ideal for conducting multiple oil sample analysis quickly and easily in remote field locations and workshops.

Any oil from any equipment can be sampled and tested simply and easily on-site in seconds, providing reliable scientific analysis of the oil condition, enabling accurate guidance on when to refresh and/or change oil.

The kit is built around the OQS oil condition monitoring sensor, which is used in conjunction with the supplied MOT software, which operates on any Windows-based laptop, tablet or PC. The kit includes easy-to-use sample bottles.

Simply install the MOT application on a laptop or any device running Windows OS and connect it to the sensor. Collect the sample in one of the provided sample bottles, attach the bottle adaptor, and insert the sensor. Follow the simple steps in the MOT software and within seconds you will find out the exact condition of the oil.

## KEY FEATURES

- Instant oil analysis**  
 Instant, accurate oil sample condition analysis anywhere, anytime, any oil. Clear and precise statement of actual oil condition.
- Any oil type**  
 Configurable to any oil type in any application. Analyses oil in any condition – new, worn, used or contaminated.
- Track and trend**  
 Easily keep track of samples from different assets to establish trends, to accurately determine and predict when maintenance is required.
- Simple and reliable**  
 Portable and easy to use in any maintenance or field environment. Just needs a Windows-enabled device – no internet connectivity required.

## BENEFITS

- Better decisions**  
 Make maintenance scheduling decisions based upon reliable scientific analysis.
- Detect issues**  
 Instantly detect unexpected equipment and oil issues before damage, enabling pre-emptive maintenance whilst at the asset.
- Quick and easy**  
 Instant results on location – no need to send samples away, and wait days and weeks for results.
- Environment (esg) targets**  
 Safely maximise oil life to reduce consumption by up to 50%. Reduce parts consumption and extend equipment life.



Accurate instant oil analysis of any oil type

## TECHNICAL DATA

### Product information

Name	Mobile Oil Tester (MOT-1) Kit
Product No.	MOT-1

### Physical

Security	Stainless steel padlock hasps
Weight	3 kg
Handle	Single, fold-down, rubber over-moulded handle.
Features	Automatic pressure equalisation valve, rubber fibre washer seal, solid wall design, scratch resistant.

### Oil quality detection parameters

Sensitivity	100 ppm / 0.01%
Elements	All wear and contamination

### System requirements

Operating system	Windows 10 or above
Minimum space	100 Mb
Internet connection	Optional for application and database updates

## WHAT'S IN THE BOX?

Quantity	Description
1	Tan Delta yellow peli case
1	<b>OQS</b> sensor
1	Sensor to PC power and data cable ( <b>CAB-J</b> )
1	MOT-1 Kit bottle adaptor
1	USB stick (containing MOT software)
1	MOT-1 Quick Start Guide
5	Reusable sample bottles



### Standards and certification

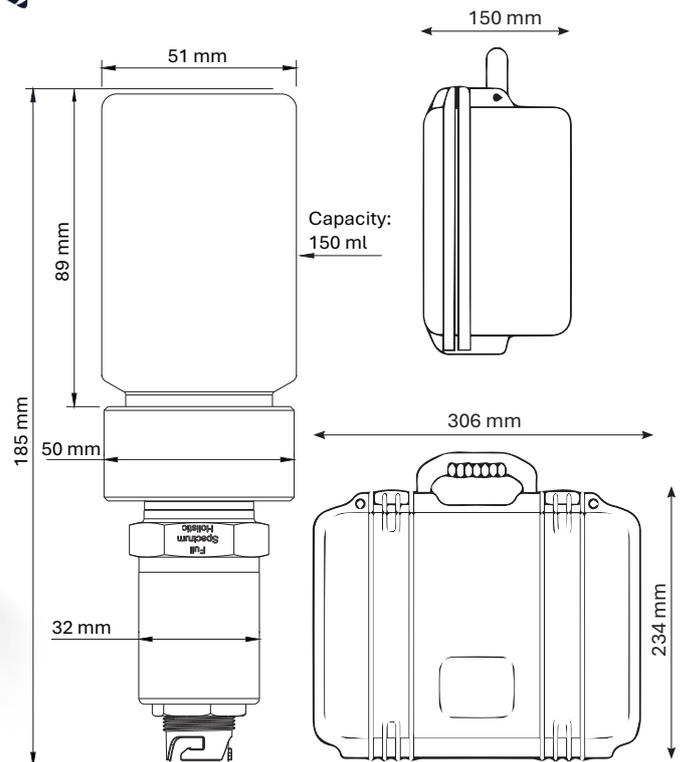
Water and dust	IP67
Shock and vibration	BS EN 60068-2-30 (Test Db - Cyc.Hum.) BS EN 60068-2-6 (Test Fc - Sine Vib.) BS EN 60068-2-27 (Test Ea - Mech. Shock)
EMC	EN 61000-6-4:2007 (Generic Emissions Standard for Industrial Environments) EN 61000-6-2:2005 (Generic Immunity Standard for Industrial Environments) EN 61000-6-2:2007 (Generic Immunity Standard for Industrial Environments) Case protection: Waterproof, Crush-proof, Dust-proof, Corrosion-proof. Case certification: IP67, Stanag 4280/Defstan 81-41, MIL C-1450-J, ATA

## SENSOR CLEANING

The sensor head must be cleaned between samples for optimal accurate results - so that there is no cross-contamination between samples. Loctite 7063 cleaning solvent is recommended (Not included).



## DIMENSIONS



## WHY TAN DELTA?

Tan Delta's advanced oil condition analysis products provide enhanced and accurate real-time monitoring of oil condition in a wide range of industrial applications. Superior accuracy combines with fully holistic analysis to deliver the ultimate equipment monitoring capability and insight. Used and trusted around the world by equipment operators to reduce costs and improve efficiency, Tan Delta provide ready-to-go equipment to end users, as well as embedded and customised product solutions to original equipment manufacturers.



**OEM**

Tan Delta provide OEM equipment manufacturers with fully customised integrated and cost-optimised solutions. Please contact us directly to discuss your oil condition requirements.