

# OQDe EXPRESS KIT

Product Ref: OQ-EXP-I



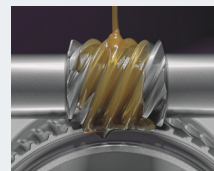
## ➔ PRODUCT OVERVIEW

Combined Oil Quality Sensor and OQD Express Display Kit. Everything you need for a single installation using the Oil Quality Sensor (OQSx) and the OQD Express (OQDe) display. The kit includes a single OQSx sensor and a single OQDe display with all of the necessary cables for configuration and installation. Robust and easy to install, the OQSx and OQDe are the perfect partnership.

## ➔ KEY PRODUCT FEATURES

- Advanced Technology**  
 Patented core technology delivers exceptional sensitivity to oil condition changes caused by both wear and contamination.
- Bluetooth Connectivity**  
 Stored data can be easily downloaded and sent wherever needed.
- Configurable Quality Alerts**  
 A configurable traffic light alert system provides a simple visual oil quality reference.
- Data Logger**  
 Continuously logs up to 800,000 records of oil quality data which can be downloaded for analysis.
- Robust and Rugged**  
 The rugged IP67 rated sensor and enclosure use high quality industrial connectors making this unit very reliable.
- Independently Tested**  
 Sensor and display have undertaken rigorous independent testing to verify their outstanding performance in a wide variety of applications.

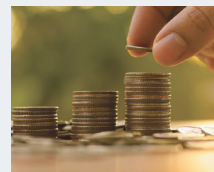
## ➔ BENEFITS



**Enhanced Planning**  
 Accurately predict future maintenance and streamline and reduce associated costs.



**Improved Safety**  
 Ensures your equipment is in optimal condition making a safer working environment.



**Lower Operating Costs**  
 Avoid unnecessary oil waste by only changing oil which needs to be changed.



**Optimise Service Intervals**  
 Optimise service intervals without risking equipment performance and reliability.

# OQDe EXPRESS KIT



## ➤ SPECIFICATIONS

### Order Information

Product Name: OQD Express Kit  
Product Code: OQ-EXP-1

### Physical - Sensor

Material: Stainless Steel AISI304  
Dimensions: 90mm x 37mm (L x W)  
Weight: 160g  
Thread: 1/2" BSPP Thread / M32 Hex thread  
Seal: DIN 3869 Viton Seal

### Physical - Display

Material: Heat Repellent Polycarbonate  
Dimensions: 120mm x 66mm x 42mm (L x W x H)  
Weight: 300g

### Electrical

Power Supply: 9-30V DC

### Data Output/Input

Analogue Output: 1x4-20mA  
Digital Output: 1xRS485: 9600 baud half duplex to sensor  
1xRS485: 512000 baud half duplex from display

### Environmental

Operating Temperature: -30°C (-22°F) to +65°C (+149°F)

### Data Logging

Storage Capacity: >800,000 records

### Display

Oil Quality (Tan Delta Number)  
Oil Temperature  
Rate of Change (Condition/Time)  
Status Indicator

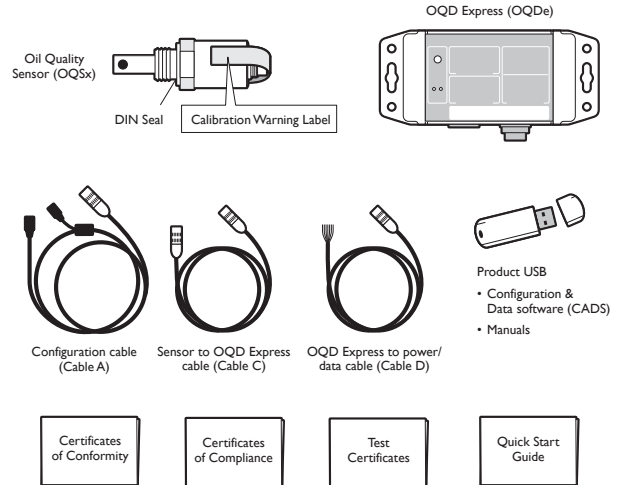
### Standards and Certification

Water & Dust:  
BS EN 60529:1992+A2:2013  
IP67 when connected

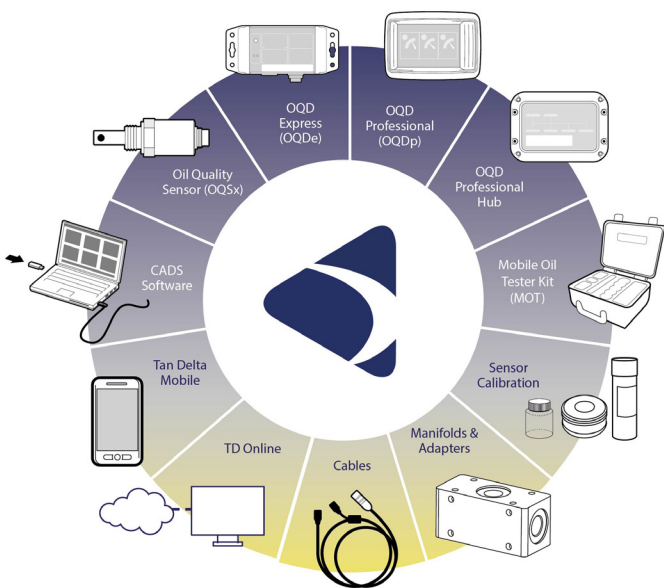
### Shock & Vibration:

BS EN 60068-2-30:2005 (Test Db - Cyclic Humidity)  
BS EN 60068-2-6:2008 (Test Fc - Sine Vibration)  
BS EN 60068-2-27:2009 (Test Ea - Mechanical Shock)  
EMC:EN 61000-6-4:2007 (Generic Emissions Standard for Industrial Environments)  
EN 61000-6-2:2007 (Generic Immunity Standard for Industrial Environments)  
EN 300 328 v1.8.1. (Transferable Electromagnetic Compatibility for Wideband Data Transmission Equipment operating in the 2.4GHz ISM Band and using Wideband Modulation Techniques.)  
CE Marked

## ➤ WHATS IN THE BOX



## ➤ ABOUT TAN DELTA



Tan Delta Systems Limited is a global leader in the development and supply of advanced oil condition monitoring technologies, with a fully integrated product portfolio all engineered and developed from the initial core product, the oil quality sensor (OQSx).

Our products are trusted by the world's leading industrial and commercial companies to monitor oil condition, helping to optimise equipment productivity, reduce operating costs, thereby remaining competitive in a global economy.

All Tan Delta products are engineered and quality manufactured for long term continuous operation in the harshest commercial and industrial environments. Each product is carefully engineered and tested to withstand the long term effects of extreme shock, vibration, heat, cold, thermal shock, electrical interference and many more factors.

The Tan Delta Customer Support team partners with customers to implement highly effective and commercial beneficial oil conditioning. Our experience and expertise enable customers to quickly and smoothly implement successful condition monitoring.

Tan Delta provide ongoing 24/7 global warranty support, technical support, advice and consultancy to ensure customers maximise the long term benefits of their investment in oil condition monitoring.

Tan Delta Systems Limited is always looking to exceed customer expectations, so for this reason reserves the right to alter, without notice, the specification, design or conditions of supply of any product or service. Information provided by Tan Delta Systems is believed to be accurate and reliable. However, no responsibility is assumed by Tan Delta Systems for its use, nor any infringements of patents or other rights of third parties, which may result from its use. No license is granted by implication or otherwise under any patent or patent rights of Tan Delta Systems ©Tan Delta Systems Ltd 2017

