

# OQD EXPRESS (OQDe)

Product Ref: OQDe-A-2-1

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## ➔ PRODUCT OVERVIEW

Display OQSx Sensor Data in Real Time. The OQD Express (OQDe) displays and logs real time data from the Oil Quality Sensor (OQSx). Oil quality, temperature, rate of change and configurable quality level alerts are displayed in real time. Robust and easy to install, the OQDe is the perfect partner for the OQSx.

## ➔ KEY PRODUCT FEATURES

- Essential Information**  
 Displays oil quality, temperature and rate of change in real time.
- Bluetooth Connectivity**  
 Stored data can be easily downloaded and sent wherever needed.
- Configurable Quality Alerts**  
 Configurable traffic light alert system provides 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 enclosure and high quality industrial connectors make this unit very reliable.
- Independently Tested**  
 Has undertaken rigorous independent testing to verify the outstanding performance in a wide variety of applications.

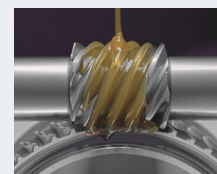
## ➔ BENEFITS



**Increased Reliability**  
 Detects and reports the early signs of hidden issues enabling remedial action to prevent accelerated wear and unexpected breakdowns.



**Help the Environment**  
 Increase equipment efficiency. Reduce oil consumption, maintenance activity and costs and conserve the environment.



**Fewer Service Intervals**  
 Less maintenance and servicing means increased equipment availability and reduced costs.



**Peace of Mind**  
 Knowing that your critical equipment is being monitored 24 hours a day, 365 days a year.

# OQD EXPRESS (OQDe)



## ➤ SPECIFICATIONS

### Order Information

Product Name: OQD Express (OQDe)  
Product Code: OQDe-A-2-1

### Physical

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

### Electrical

Power Supply: 9-30V DC  
Power Consumption: Average 0.4w  
continuous 200mA

### 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  
Logging Interval: 1 minute to 45 days  
Battery Backup: ~10 years  
Data Download: Via RS485 or Bluetooth  
Real Time Clock: Yes

### Display

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

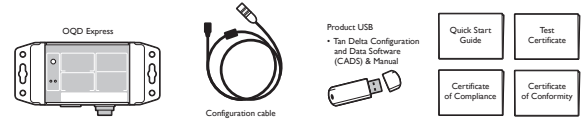
### Standards and Certification

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:

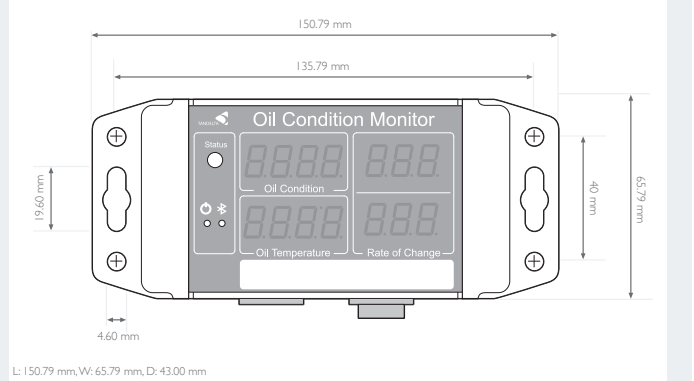
EN 61000-6-4:2007 (Generic Emissions Standard for Industrial Environments)  
EN 61000-6-2:2007 (Generic Immunity Standard for Industrial Environments)  
EN 300 328 v1.8.1. (Transferable Electromagnetic Compatibility for Wideband Data Transmission Equipment operating in the 2.4GHz ISM Band and using Wideband Modulation Techniques.)  
CE Marked

## ➤ WHATS IN THE BOX

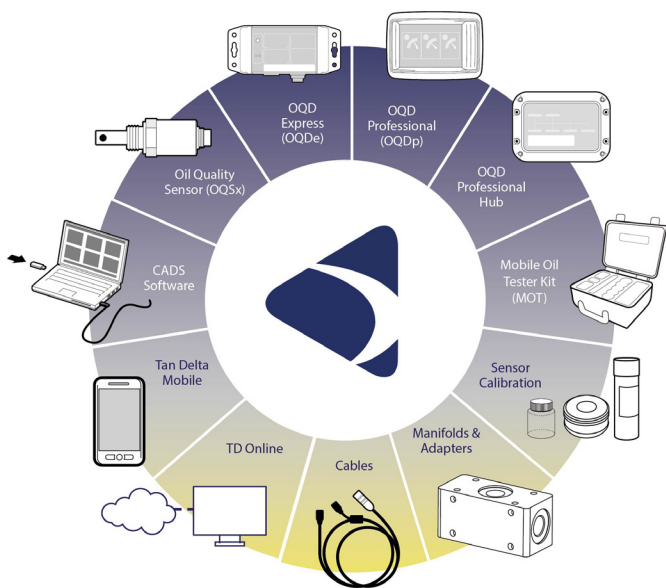


⚠ You may require additional cables to complete your installation. Please refer to the Tan Delta Systems Architecture diagram below.

## ➤ DIMENSIONS



## ➤ 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

