

OQD EXPRESS (OQDe)

Product Ref: OQDe-A-2-1

TANDELTA

Oil Condition Monitoring



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.

➔ 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**

Ensures your equipment is in optimal condition making a safer working 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.

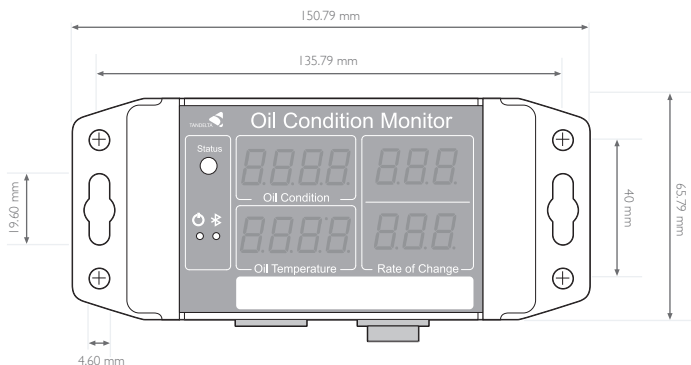




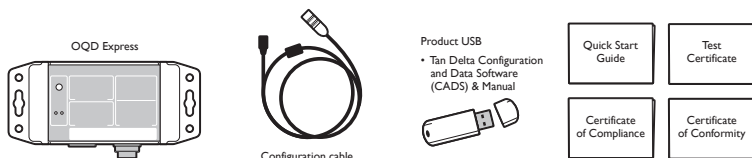
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➔ DIMENSIONS

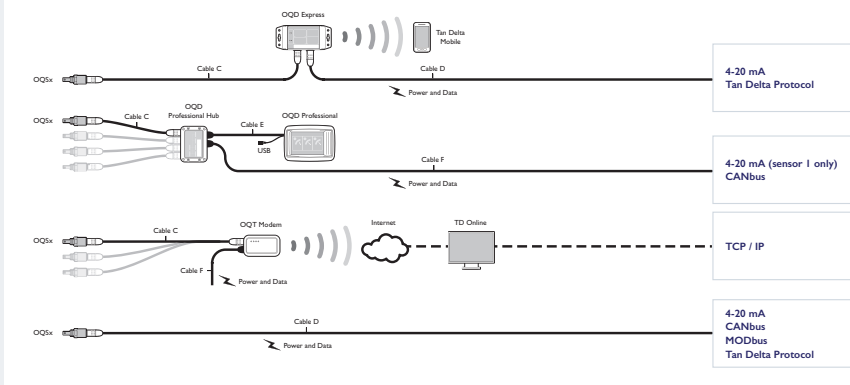


➔ IN THE BOX



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

➔ TAN DELTA SYSTEM ARCHITECTURE



➔ 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

About Tan Delta

Tan Delta Systems Limited is a global leader in the development and supply of advanced oil condition monitoring technologies, products and systems.

Its 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.

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 2015

