



Genset - engine monitoring kit

Keeping your generator set in excellent working order relies on ensuring that the lubricating oil is always fit for purpose. The Tan Delta Generator Set Monitoring Kit can be simply installed on new or used equipment to allow the monitoring of the lubricating oil condition and lubricating oil temperature in real-time, 24 hours a day, 7 days a week and 365 days a year, all of the real time data collected and displayed is also stored within the OQD Express unit for further analysis as and when required.

Full spectrum holistic detection
Detects and measures all oil condition changes, no matter the cause - wear or contamination.

Bluetooth connectivity
Stored data can be easily downloaded and sent wherever needed.

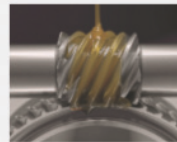
Flexible configuration
Enables the simple and easy configuration of all Tan Delta products to suit any applications with any oil type.

Intuitive functionality
Simple touch screen menu system makes accessing functionality such as rate of change graphs, and alert configuration simple.

Robust and rugged
The rugged IP67 rated sensor and enclosure use high quality industrial connectors making this unit very reliable.

Fully configurable
Any oil type, allows accurate testing of any oil or fuel oil.

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.



Cost Effective
Real time oil monitoring makes perfect sense with an average pay back of less than 6 months.



Less Down Time
Record and trend the oil life in all of your equipment to accurately predict future maintenance.

Specifications

Order information

Product name: Genset Engine
Monitoring Kit
Product code: OQ-GS-ENG-1

Physical - sensor

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

Physical - display

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

Electrical

Power supply: 9-30 V DC

Data output / input

Analogue output: 1x4-20 mA
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

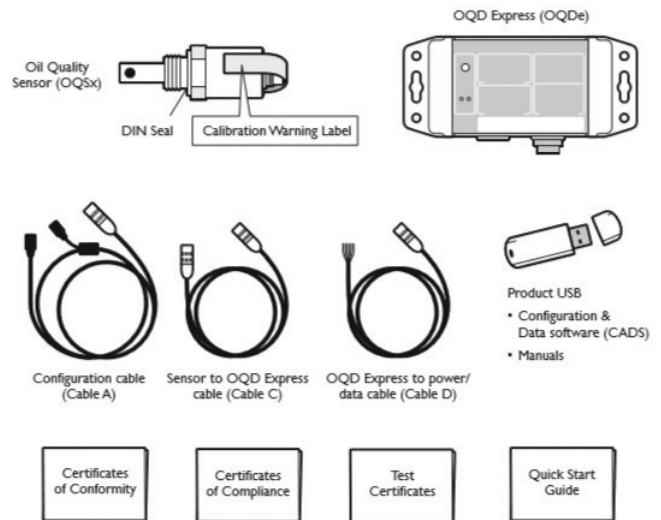
Shock & vibration:

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)

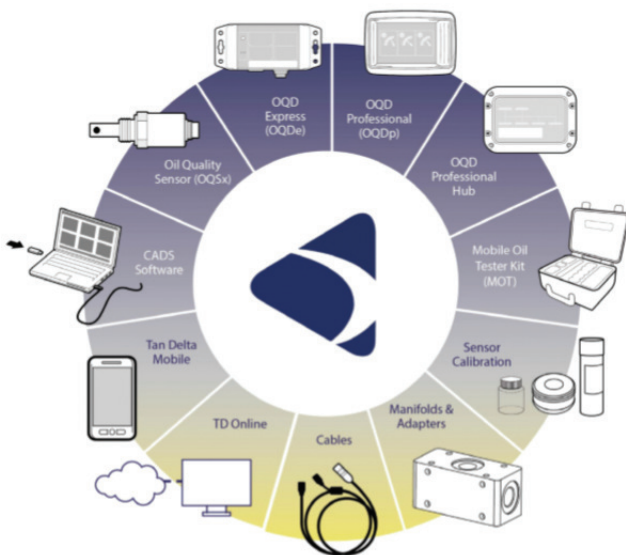
EMC:

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 com-
patibility for wideband
Data transmission equipment opera-
ting in the 2.4 GHz 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.

Demp A/S reserves the right to modify the technical specifications contained in this document without notice. No contractuel document.

DEMP A/S CVR No 82 08 56 10
Sundvej 12C
DK-4600 Køge, Denmark



Phone: +45 3920 5422
Mail: demp@demp.com
Fax: +45 3920 3349