



Hydraulic monitoring kit

Maintaining your oil in optimum condition is made simple and easy by fitting the Tan Delta Hydraulic Monitoring Kit. At the heart of the kit is the world leading Tan Delta OQSx Oil Quality Condition Sensor, utilising the patented Full Spectrum Holistic™ technology, combined with the robust OQD Express display which enables the immediate display of the current oil condition and oil temperature whilst recording all data for additional analysis and interpretation.

Full spectrum holistic detection

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

Proven performance

Independently certified for accuracy, sensitivity and reliability. Actionable data you can trust.

Instant results

Instant diagnosis of potential issues with the ability to store trend data.

Industrial quality

Sensor, display and hub all IP67 rated making them suitable for installation in any harsh commercial or industrial environment.

Robust and rugged

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

All you need

Everything your service engineers need to undertake instant oil analysis in one place.

Benefits



Enhanced planning
Accurately predict future maintenance and streamline and reduce associated costs.



Reduced wastage
Avoid unnecessary oil waste by only changing oil which needs to be changed.



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



Prevent catastrophic failure
Track real time changes to your oil quality preventing avoidable failures.

Specifications

Order information

Product name: Hydraulic Mon. Kit
Product code: OQ-HYD-1

Physical - sensor

Material: Stainless steel AISI304
Dimensions: 90 x 37 mm (L x W)
Weight: 160 g
Thread: 1/2" BSPP 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

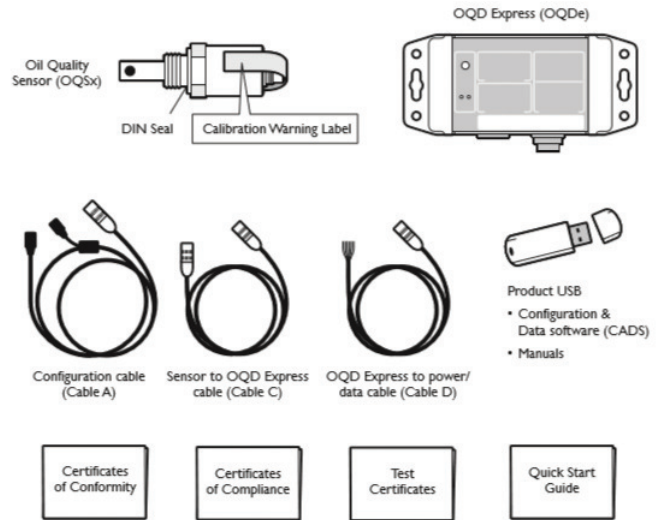
Shock & vibration:

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)

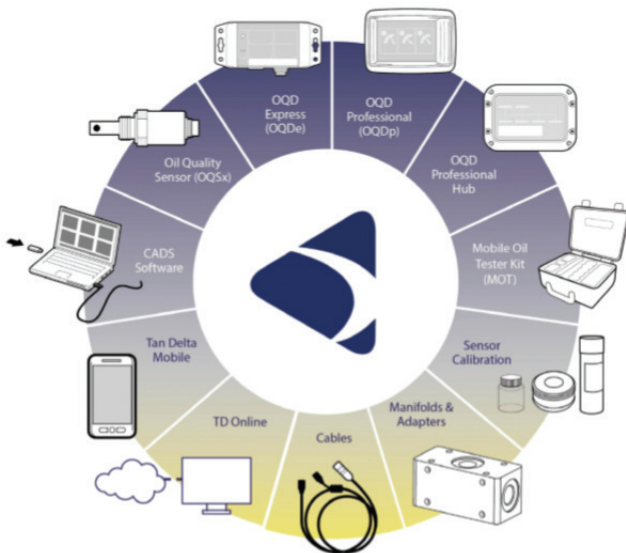
EMC:

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 oper-
ating 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.

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