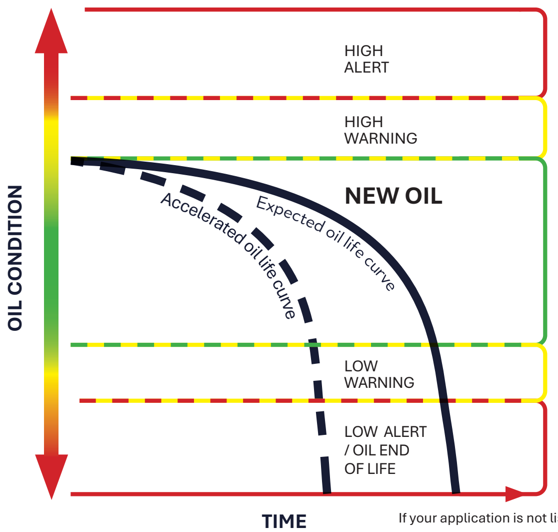
4 INTERPRETING OIL CONDITION



WHAT DOES IT MEAN?

High Alert: Sensor may be in air, check sensor location and relocate.

High Warning: Check sensor is configured to correct oil sample setting.

OK: Oil is OK for continued operation.

Continuously monitoring the rate at which oil condition changes will also detect oil events and increased oil wear. If detected, take the appropriate action to prevent equipment damage and failure.

Low Warning: Oil is nearing its end of life. Schedule maintenance.

Low Alert: Oil is past its end of life. Change immediately.

If your application is not listed, please contact Tan Delta Support to discuss a solution.

5 SUPPORT - FAQ / TROUBLESHOOTING

If you have any issues, please CLICK or SCAN the QR Code and read our FAQ section.

Alternatively, email: support@tandeltasystems.com

5.1 Full OQH User Guide

You can find further information in the OQH User Guide on the downloads page of our website:

www.tandeltasystems.com/downloads

If you have any further questions, please contact our support team.

Tan Delta Systems Plc

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OQH SENSOR
QUICK START GUIDE

TANDELTA
Oil Condition Monitoring

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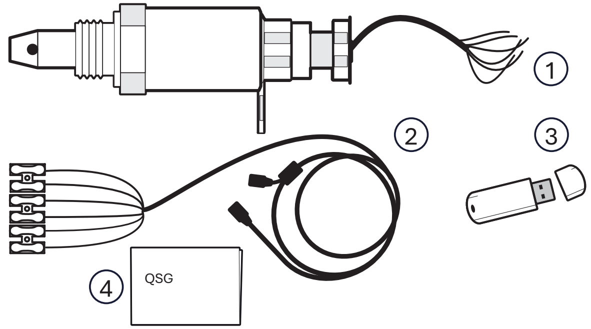
What's in the box
Product Code:
OQH

Item	Description
1	**OQH** Oil Quality Sensor for HAZ environment
2	**CAB-X** HAZ Sensor Configuration Cable
3	Product USB including **TD Config** configuration software
4	Quick Start Guide



Check that your kit contains all the items shown.

1 CONFIGURATION AND INSTALLATION OVERVIEW

WARNING

The OQH sensor MUST be configured OUTSIDE the hazardous area before installation. Only suitably trained personnel should install the sensor.

To configure and install the OQH sensor, you will need the following:

- A Windows PC or Laptop on which you have **Administrator** rights.
- Tan Delta **TD Config** configuration software.

TD Config is provided on the USB drive ③ supplied with your Sensor.

Alternatively, it is available for download online at:
http://oilconditionsoftware.com/installtdconfig

The configuration and installation process involves the following steps:

- Install TD Config.
- Configure the OQH sensor in TD Config.
- Install the OQH sensor on your asset.
- Check the system for correct operation.

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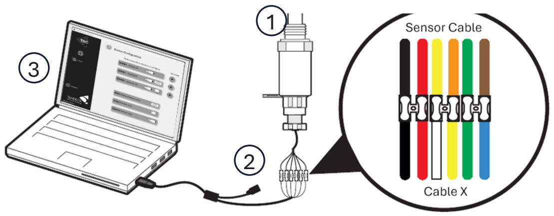
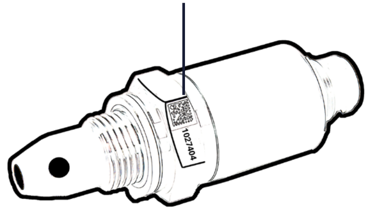
2 CONFIGURING THE OQH SENSOR

1) Insert the Tan Delta USB drive into a USB port on your computer.
2) When prompted, select **Open folder** to view files.
3) Launch the **TDConfig_Installer** file and follow the instructions in the setup wizard.
4) When prompted, click on **Install**.
   When installation is complete, **TD Config** is home page is displayed.
5) Allow the PC/laptop to automatically update drivers, if needed.
6) From the TD Config main menu, select **Configure Sensor**.
7) Connect the **Sensor** 1 to the **Configuration cable** 2.



8) TD Config will display a list of available sensors, identified by their serial numbers. Select the required Sensor by checking its Serial Number.



9) Next, choose the required communication type by selecting the device or communication type you intend to use with the sensor:
   - Display Express for use with SENSE-2 or using the 4-20mA analog signal.
   - Custom Settings to setup digital communication to suit your system.
10) Select the oil in which you want to use the sensor.

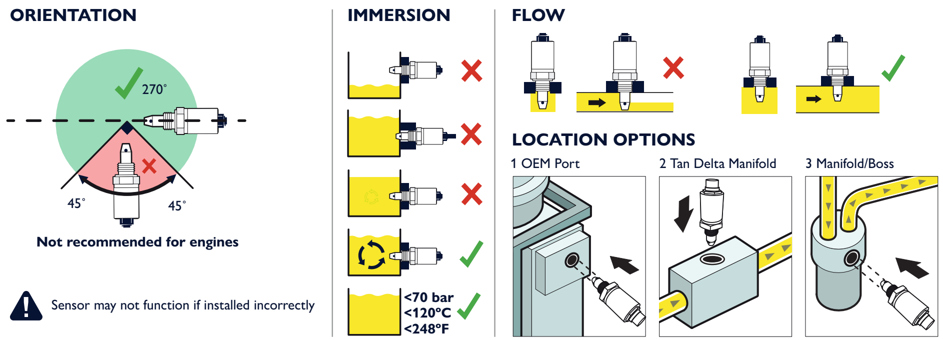
NOTE

If the oil you use is not in the oil database, contact your distributor or Tan Delta support for assistance.
support@tandeltasystems.com

3 INSTALLATION AND CONNECTION

WARNING

Only suitably trained personnel should install the sensor.



IMPORTANT

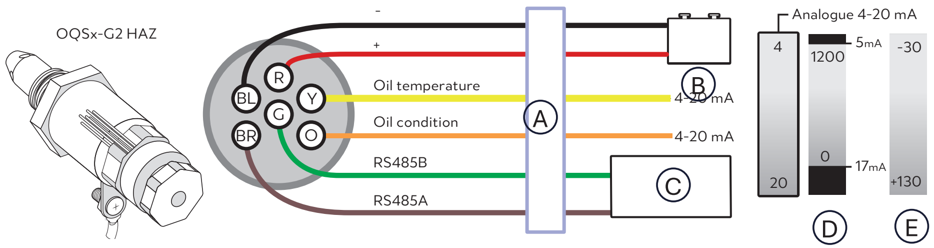
The Sensor nose must be submerged completely in oil for accurate results.

3.1 Electrical Connections

The OQH Sensor must be connected through a Zener Barrier (not supplied). The cable colours and functions are shown below. For full details of the barrier requirements please refer to the OQH Sensor User Guide, available at:

www.tandeltasystems.com/downloads

The OQH Sensor requires a power supply of 10-28.8V DC.



Comparing electrical output with Oil Condition and Temperature

Item	Description
A	Zener Barrier
B	10 - 28.8 V DC
C	Digital RS485 Modbus CANbus
D	Oil Condition (Tan Delta Number)
E	Oil Temperature (°C)