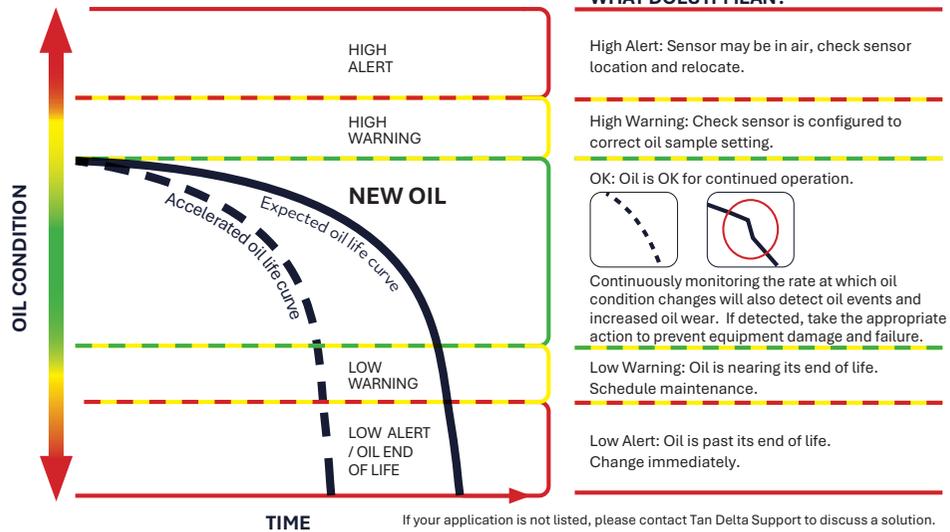


## 4 INTERPRETING OIL CONDITION



## 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](mailto:support@tandeltasystems.com)



### 5.1 Full OQSx-G2 SENSE-1 User Guide

You can find further information in the OQSx-G2 User Guide on the downloads page of our website:

[www.tandeltasystems.com/downloads](http://www.tandeltasystems.com/downloads)

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

Tan Delta Systems Plc

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1 Carrera Court, Church Road,

Dinnington, Sheffield UK

S25 2RG

Tel: +44 (0)845 094 8710

Email: [support@tandeltasystems.com](mailto:support@tandeltasystems.com)

# OQSx-G2 SENSOR KIT - SENSE-1

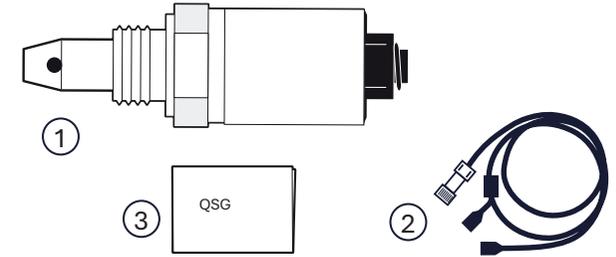
## QUICK START GUIDE

**TANDELTA**  
Oil Condition Monitoring  
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### What's in the box

Product Code: SENSE-1-BS1

Item	Description
1	Gen 2 Oil Quality Sensor (OQSx-G2)
2	Configuration Cable J
3	Quick Start Guide



Check that your kit contains all the items shown.

## 1 CONFIGURATION AND INSTALLATION OVERVIEW

To configure and install the SENSE-1 kit, you will need the following:

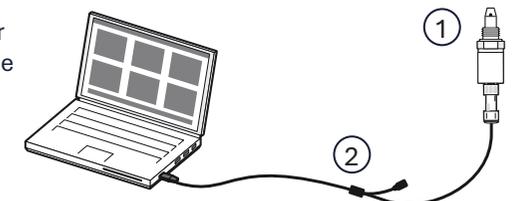
- A Windows PC or Laptop on which you have **Administrator** rights.
- Tan Delta **Configuration and Data Management Software (CADS)** available at: <http://oilconditionsoftware.com/setupcads.exe>

The configuration and installation process involves the following steps:

- Download and install CADS.
- Configure the OQSx-G2 sensor in CADS.
- Install the OQSx-G2 sensor on your asset.
- Check the system for correct operation.

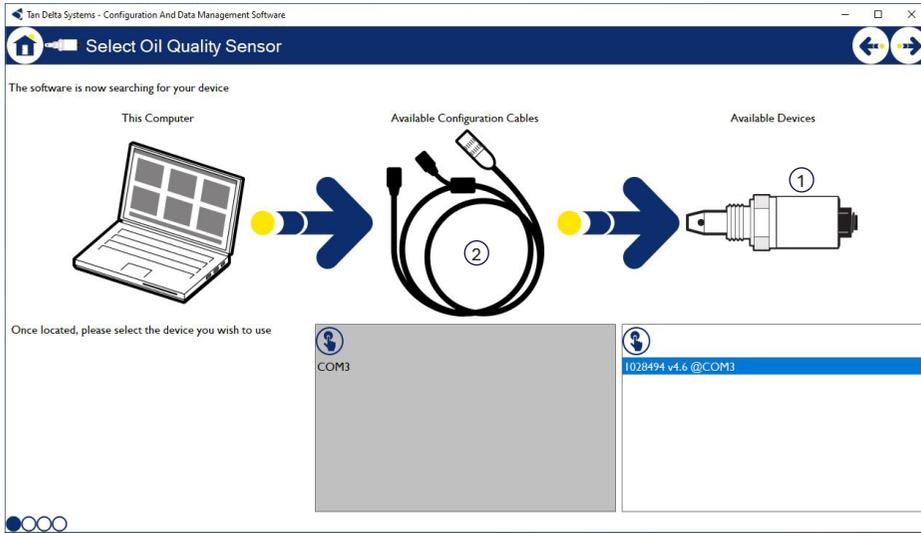
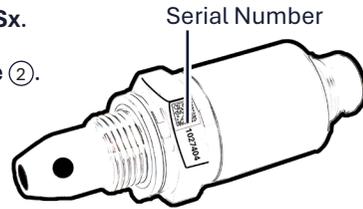
## 2 CONFIGURING THE OQSx-G2 SENSOR

- 1) Download CADS from <http://oilconditionsoftware.com/setupcads.exe>
- 2) Make sure that you have Administrator rights on your PC/Laptop. Locate the **setupcads.exe** file and start the installer. Follow the installation instructions. Once installed, select the **Launch CADS** option.
- 3) Plug the **Configuration cable** ② into an available USB port and allow the update/installation of drivers.
- 4) Run CADS and configure the sensor for the correct communications and oil type (See overleaf)



## 2 CONFIGURING THE OQSx-G2 SENSOR - CONTINUED

- 5) From the CADS main menu, select **Configure OQSx**.
- 6) Connect the **Sensor** ① to the **Configuration cable** ②.
- 7) CADS will display a list of available sensors, identified by their serial numbers. Select the required Sensor by checking its Serial Number.



- 8) 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.
- 9) 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](mailto:support@tandeltasystems.com)

### ! VIDEO TUTORIAL

For a video tutorial, outlining the OQSx-G2 Sensor Configuration process, visit the website below, or scan the QR code.

<http://oilconditionsoftware.com/configuresensor>



## 3 INSTALLATION AND CONNECTION

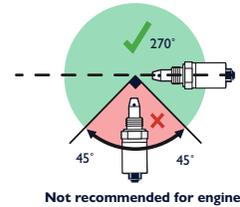
### ! VIDEO TUTORIAL

For a video tutorial, showing the OQSx-G2 Sensor Installation process, visit the website below, or scan the QR code.

<http://oilconditionsoftware.com/installsensor>

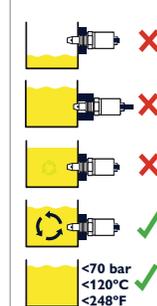


#### ORIENTATION

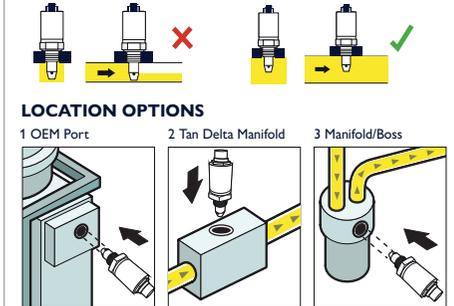


! Sensor may not function if installed incorrectly

#### IMMERSION



#### FLOW



### ! IMPORTANT

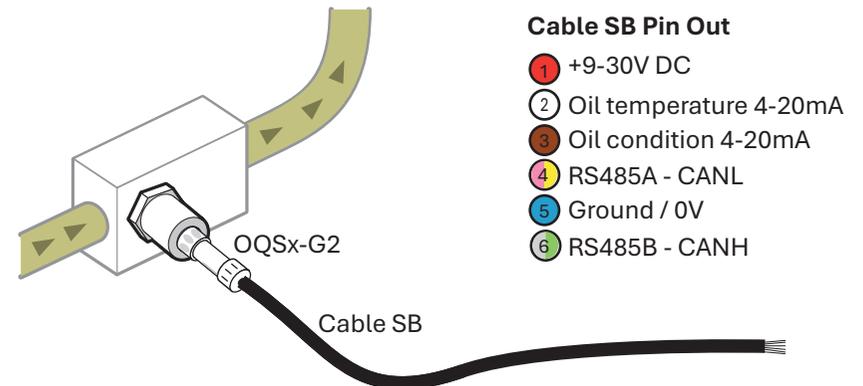
The Sensor nose must be submerged completely in oil for accurate results.

### 3.1 Electrical Connections

The OQSx-G2 Sensor can be connected into your control system via Tan Delta **Cable SB** (sold separately). The cable colours and functions for Cable SB are shown below.

The OQSx-G2 Sensor requires a power supply of 9-30V DC.

If any cable connections are unused, it is good installation housekeeping practice to insulate these connections.



#### Cable SB Pin Out

- ① +9-30V DC
- ② Oil temperature 4-20mA
- ③ Oil condition 4-20mA
- ④ RS485A - CANL
- ⑤ Ground / 0V
- ⑥ RS485B - CANH