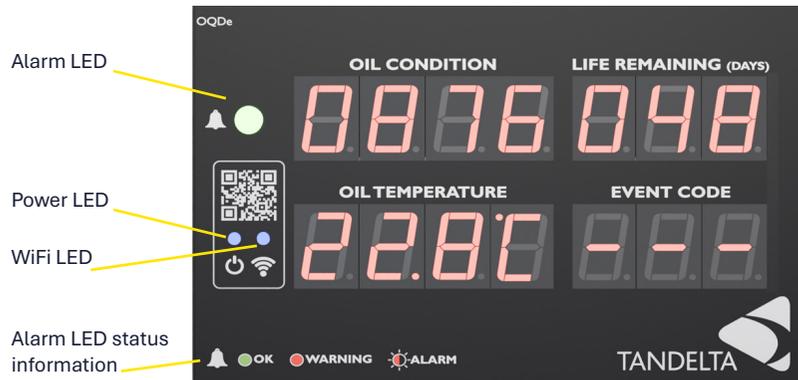


## 5 OQDe EXPRESS DISPLAY LEDs



## 6 OQDe EXPRESS DISPLAY EVENT CODES

The table below shows example event code displays. For a full list of event codes see the **OQDe Express Display User Guide** on the downloads page of our website:

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

Event Code	Meaning
S01	No Sensor Connected – Please Connect the Sensor.
S02	Sensor Not Configured – Configure the Sensor via CADs.
E01	Oil Temperature High – Check Regularly.
E02	Oil Temperature Very High – Immediate Action Required
E03	Oil Temperature Low – Check Regularly
E04	Oil Temperature Very Low – Immediate Action Required
E05	Oil Condition Too High – Check Regularly
E06	Oil Condition Very High – Immediate Action Required
E07	Oil Near End Of Life – Check Regularly
E08	Oil At End Of Life – Immediate Action Required.
E09	Sensor In Air – Immediate Action Required

## 7 SUPPORT - FAQ / TROUBLESHOOTING

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

Alternatively, email: [support@tandeltasystems.com](mailto:support@tandeltasystems.com)

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

**Tan Delta Systems PLC** 1 Carrera Court, Church Road, Dinnington, Sheffield UK S25 2RG  
Tel: +44 (0)845 094 8710 Email: [support@tandeltasystems.com](mailto:support@tandeltasystems.com)

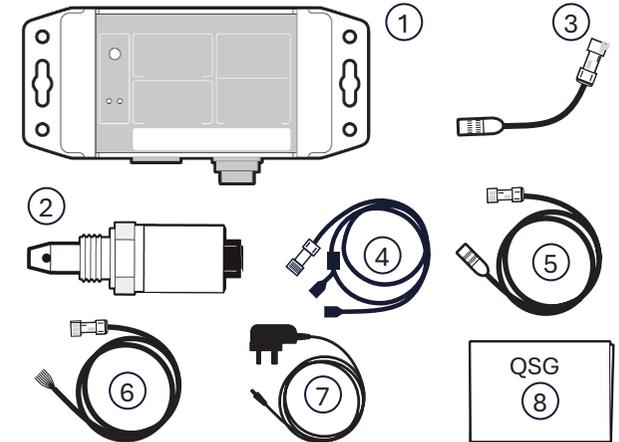


# DISPLAY KIT - SENSE-2 QUICK START GUIDE

## What's in the box

Product Code: SENSE-2-BS1

Item	Description
1	Display Express (OQDe)
2	Gen 2 Oil Quality Sensor (OQSx-G2)
3	Adaptor Cable M
4	Configuration Cable J
5	Sensor to display Cable SD
6	Display to bare ends Cable SB
7	Power Supply
8	Quick Start Guide



Check that your kit contains all the items shown.

## NOTE

For **Configuration** - use **Cable J** (4), **Cable M** (3) and **Power Supply** (7).

For **Installation** - use **Cable M** (3), **Cable SD** (5) and **Cable SB** (6).

## 1 CONFIGURATION AND INSTALLATION OVERVIEW

To configure and install the SENSE-2 kit, you will need the following:

- A Windows PC or Laptop
- Tan Delta **Configuration and Data Management Software (CADs)** available at: <http://oilconditionsoftware.com/setupcads.exe>
- Access to a mains power connection (for configuration of the OQDe display)

The configuration and installation process involves the following steps:

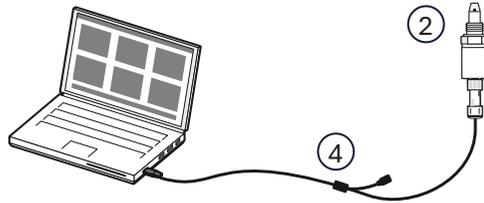
- Download and install CADs.
- Configure the OQSx-G2 sensor in CADs.
- Configure the OQDe display in CADs.
- Install the OQSx-G2 sensor on your asset and the OQDe display in a suitable location.
- Check the system for correct operation.

## 2 CONFIGURATION - OQs-G2 Sensor

### ! IMPORTANT

You **MUST** configure the OQs-G2 Sensor using CADs on a Windows PC or laptop. **before** configuring the OQDe in CADs.

- 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. Select the **Launch CADs** option.
- 3) Plug the **Configuration cable** ④ into an available USB port and allow the update/installation of drivers.
- 4) From the CADs main menu, select **Configure OQs**.
- 5) Connect the **Sensor** ② to the **Configuration cable** ④.
- 6) CADs will display a list of available sensors, identified by their serial numbers. Select the required Sensor by checking its Serial Number.
- 7) 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.
- 8) Select the oil in which you want to use the sensor.

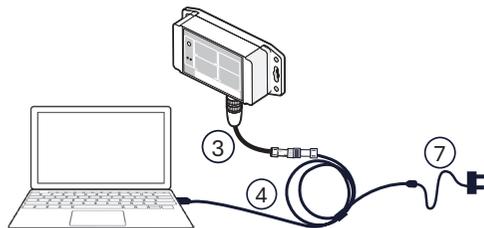


### ! NOTE

If the oil you use is not in the oil database, contact your distributor or Tan Delta support.

## 3 CONFIGURATION - OQDe-G2 Display

- 1) Use **Cable M** ③ to connect **Cable J** ④ from your PC/Laptop to the **Display** ①
- 2) Connect the 9-30 V DC **Power Supply** ⑦ to **Cable J** ④ to power up the display.
- 3) From the CADs main menu, select **Configure OQDe**.  
A list of all connected devices is displayed, identified by serial number.
- 4) Select the required device and click the Next (right) arrow at the top of the CADs screen.  
CADs allows you to select from the following presets: **Diesel Engine; Gearbox; Hydraulic; Compressor; Transformer**. There is also an option to add **Other / Custom** application.  
CADs also allows you to adjust the following display parameters:



- Warning & Alarm Levels: the points at which the Status LED changes from Green, to flashing Red, to Solid Red.
- Display Date/time.

### ! NOTE

The default oil condition warning and alarm levels are set for a diesel engine application.

### 3.1 Using Insight

Following initial configuration via CADs, the OQDe parameters can be adjusted via CADs or the **Insight** mobile application.

Insight provides additional functionality to adjust your settings as required.

For more information, visit: [www.tandeltasystems.com/support/](http://www.tandeltasystems.com/support/)

## 4 INSTALLATION AND CONNECTION

### ! VIDEO TUTORIAL

For a video tutorial, showing the SENSE-2 Installation process, visit the website below, or scan the QR code.

<http://oilconditionsoftware.com/installsense2>



### ! IMPORTANT

The Sensor nose must be submerged completely in oil for accurate results. After initial switch-on, wait one minute for the display readings to stabilise.

