4 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

Full SENSE1 User Guide

You can find further information in the SENSE1 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 (TDS) Ltd

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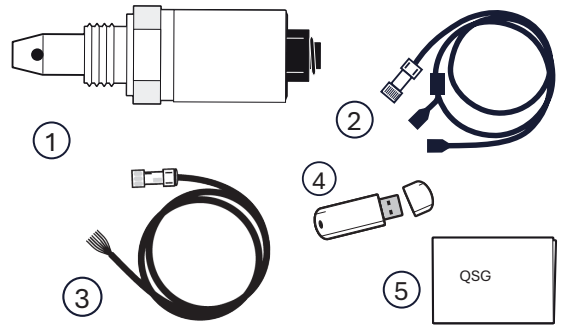
Document Part Nº 201-1009-7

SENSE1 Sensor Kit
QUICK START GUIDE

TANDELTA
Oil Condition Monitoring

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What's in the box Product Code: SE1	
Item	Description
1	Oil Quality Sensor **OQS** (or long-nosed version **OQL**)
2	Configuration Cable **CAB-J**
3	Sensor output Cable **CAB-SB***
4	Product USB **TD Config** configuration Software, QSG, Warranty
5	Quick Start Guide



*CAB-SB is supplied in a 5m length.
Other lengths are available

1 CONFIGURATION AND INSTALLATION OVERVIEW

To configure and install the SENSE1 kit, you will need the following:

- A Windows PC or Laptop on which you have **Administrator** rights.
- Tan Delta Configuration Software (TD Config) provided on the USB ③ and available at: www.tandeltasystems.com/setuptdconfig

The configuration and installation process involves the following steps:

- Install **TD Config**.
- Configure the OQS /OQL sensor in **TD Config**.
- Install the OQS /OQL sensor on your asset.
- Check the system for correct operation.

2 CONFIGURING THE OQS /OQL SENSOR

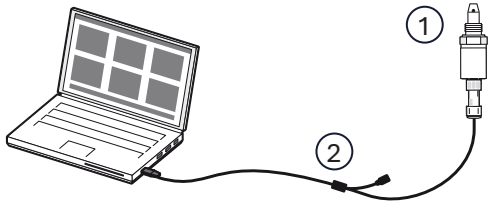
TD Config is provided on the USB drive supplied with your Kit. Alternatively, it is available for download online at:
www.tandeltasystems.com/setuptdconfig

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**. The **TD Config** home page is displayed when installation is complete
5) Allow the PC/laptop to automatically update drivers, if needed.

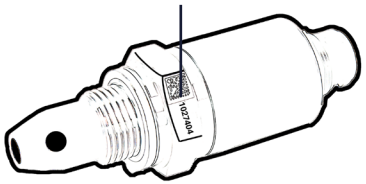
2 CONFIGURING THE OQS /OQL SENSOR - CONTINUED

6) From the TD Config main menu, select the **SENSE1 Kit** configuration option.

7) Connect the **Sensor** ① to the Configuration cable **CAB-J** ②.



Serial Number



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 SENSE2 or using the 4-20mA analog signal.
   - Custom Settings to setup digital communication to suit your system.

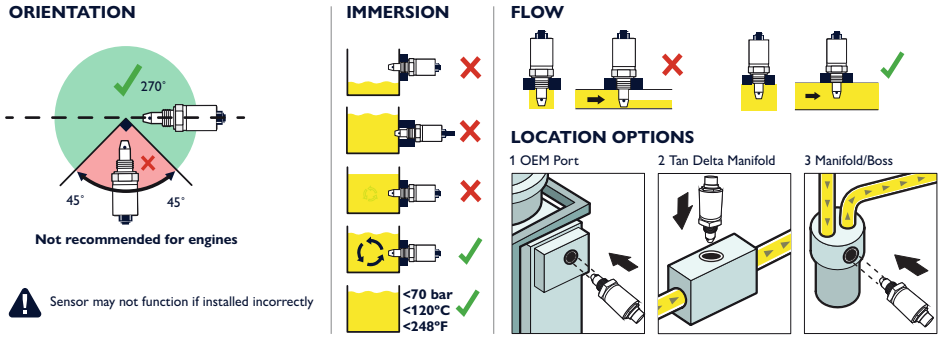
10) Select the oil in which you want to use the sensor.

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

VIDEO TUTORIAL
For a video tutorial, outlining the OQS /OQL Sensor Configuration process, visit the website below, or scan the QR code.
www.tandeltasystems.com/sense1qsg

3 INSTALLATION AND CONNECTION

VIDEO TUTORIAL
For a video tutorial, showing the OQS /OQL Sensor Installation process, visit the website below, or scan the QR code.
www.tandeltasystems.com/installsensor



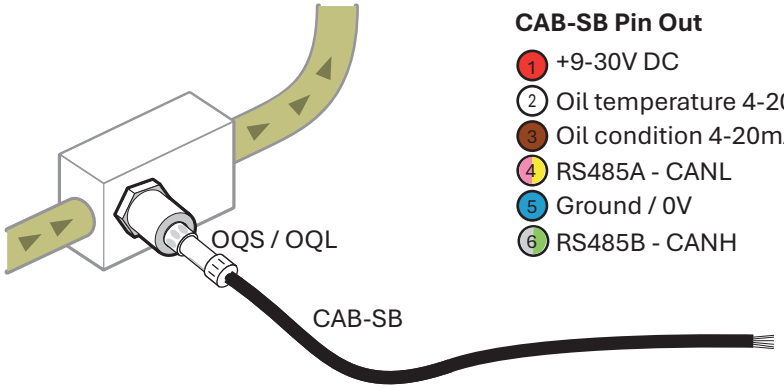
IMPORTANT
The Sensor nose must be submerged completely in oil for accurate results.

3.1 Electrical Connections

The OQS /OQL Sensor can be connected into your control system via Tan Delta cable **CAB-SB** supplied. The cable colours and functions for CAB-SB are shown below.

The OQS /OQL 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.



CAB-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