TANDELTA OQDe Display Kit User Guide

**DISPLAY KIT I SENSE-2
QUICK START GUIDE**

Contents

WHAT'S IN THE BOX?

Display Express (OQDe)

Gen 2 Oil Quality Sensor (OQSx-G2)

Adaptor cable (Cable M)

Quick Start Guide

Configuration cable (Cable J)

Sensor to display cable (Cable SD)

Display to bare ends cable (Cable DB)

Power supply

CONFIGURE

⚠️ You MUST configure the OQSx-G2 Sensor using CADS before configuring the OQDe.

1. Plug in the configuration cable and allow the update/installation of drivers.

SCAN ME

2. Install CADS by scanning the QR code (right) or go to: **www.tandeltasystems.com/support/**

3. Connect the sensor to the configuration cable.

4. Run CADS and configure the sensor for the correct communications and oil type.
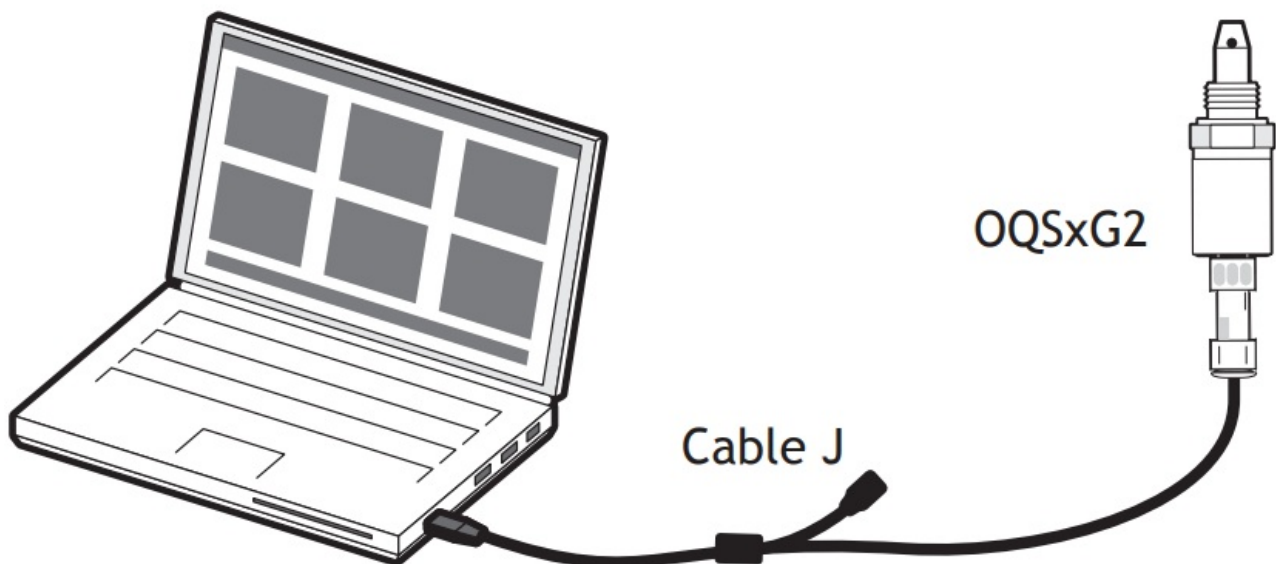
5. Search for active Wi-Fi networks on PC or Mobile device.

    Connect to "Tan Delta OQDe" Wi-Fi Hotspot. Password = password

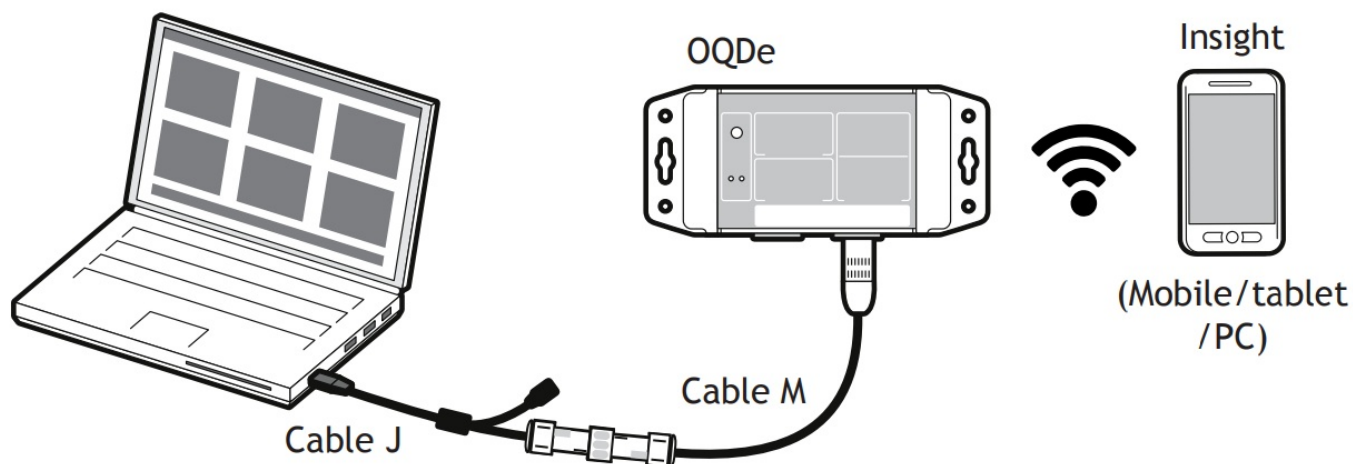6. Navigate to Insight by manually going to web address

SCAN ME
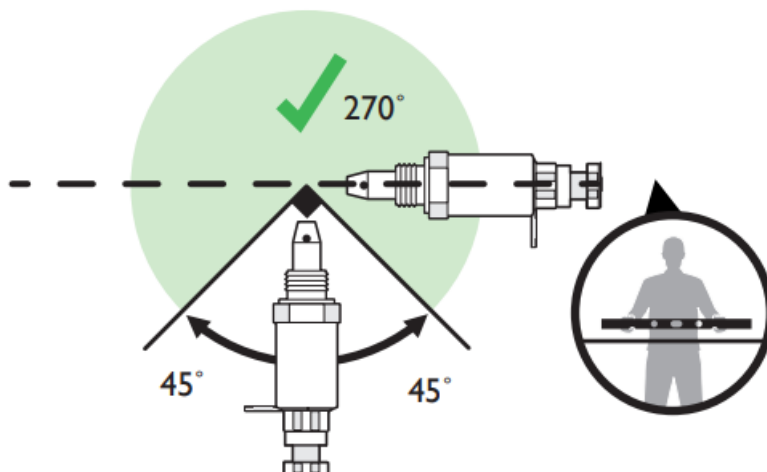

http://192.168.4.1 or scan the QR Code (right):

7. Configure OQDe parameters using Insight, including preferred units and warning and alarm levels.

NOTE: Default oil condition warning and alarm levels are set for a diesel engine application.
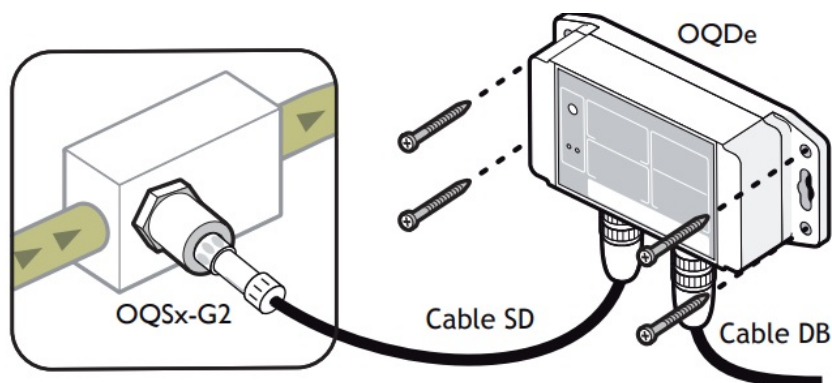

INSTALL AND CONNECT

ORIENTATION
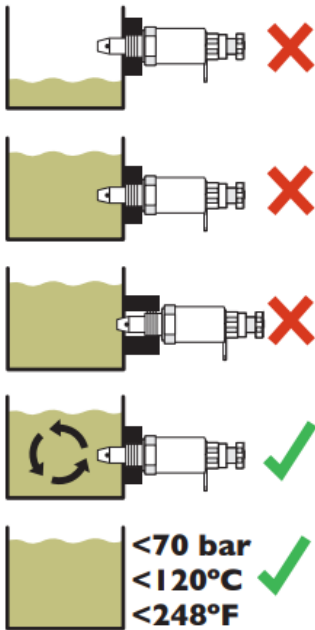

Not recommended for engines
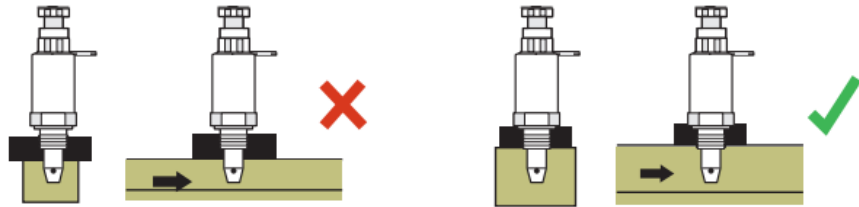
⚠ Sensor may not function if installed incorrectly

Cable DB Pin Out

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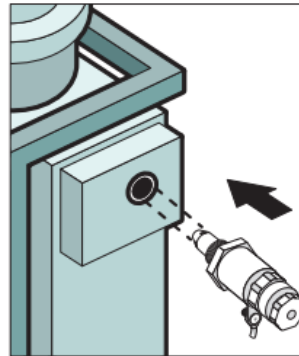5. Ground/0V
6. RS485B - CANH
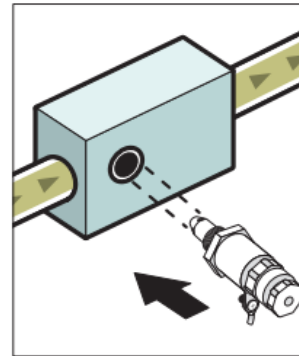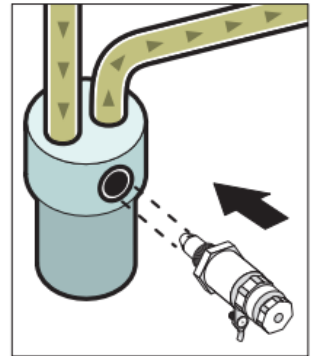
IMMERSION

FLOW

LOCATION OPTIONS

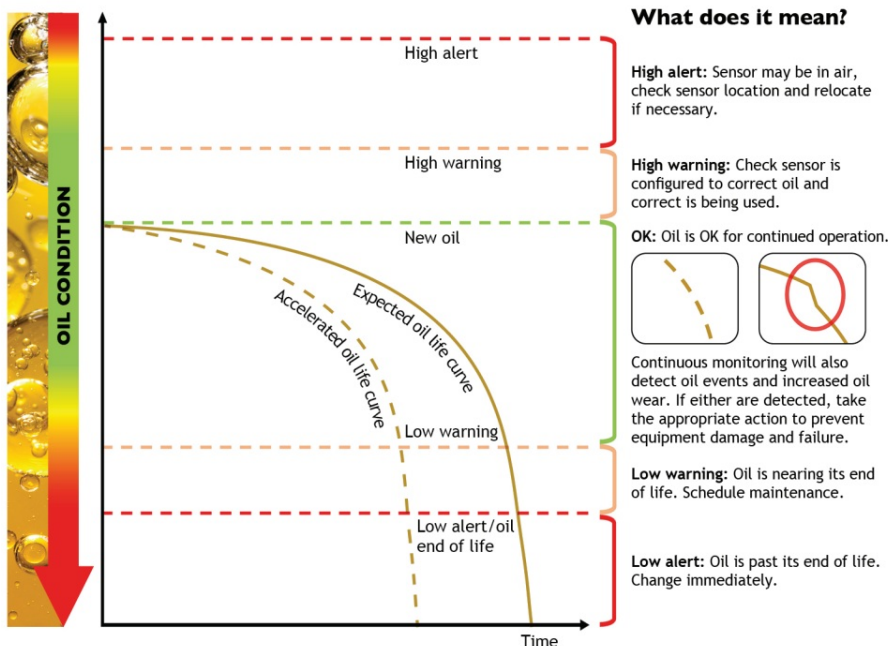### 1. OEM Port

2. Manifold/Boss

3. Tan Delta Manifold

Troubleshooting

1. Check configuration.
2. Refer to Master User Guide available at: **www.tandeltasystems.com/support**
3. Contact: **support@tandeltasystems.com**

INTERPRETING OIL CONDITION

What does it mean?	Engine	Diesel engine	Gas engine	Electrically insulating (e.g. t ransformer)	Hydraulic	Transmission (e.g. gearbox)
High alert: Sensor may be in air, check sensor location and relocate if necessary.	1140 TDN -12.0 %LF	1140 TDN -12.0 %LF	1140 TDN -12.0 %LF	1100 TDN -10.0 %LF	1060 TDN -08.0 %LF	1100 TDN -10.0 %LF
High warning: Check sensor is configured to correct oil and correct is being used.	1060 TDN -08.0 %LF	1060 TDN -08.0 %LF	1060 TDN -08.0 %LF	1050 TDN -07.5 %LF	1000 TDN -05.0 %LF	1000 TDN -05.0 %LF
OK: Oil is OK for continued operation. Continuous monitoring will also detect oil events and increased oil wear. If either are detected, take the appropriate action to prevent equipment damage and failure.	900 TDN 0.0 %LF	900 TDN 0.0 %LF	900 TDN 0.0 %LF	900 TDN 0.0 %LF	900 TDN 0.0 %LF	900 TDN 0.0 %LF
Low warning: Oil is nearing its end of life. Schedule maintenance.	400 TDN 025.0 %LF	410 TDN 024.5 %LF	760 TDN 007.0 %LF	760 TDN 007.0 %LF	760 TDN 007.0 %LF	700 TDN 010.0 %LF
Low alert: Oil is past its end of life. Change immediately.	300 TDN 030.0 %LF	310 TDN 029.5 %LF	660 TDN 012.0 %LF	700 TDN 010.0 %LF	660 TDN 012.0 %LF	500 TDN 020.0 %LF

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

SUPPORT-FAQ

If you have any issues, please read the tips below before contacting us for further support.

1. Does the sensor require cleaning?

No, cleaning is required once the sensor is installed. However, when using the sensor for testing offline samples (i.e. MOT Kit), then cleaning between samples is essential.

2. Where can I find the list of Event Codes for the Display Express?

The Master User Guide linked at the botom of this page contains the list of Event Codes, which can be displayed on the device.

3. I cannot see my oil in the database, so I have used an oil which I believe is close, but the sensor isn't working?

4. How do I update the software?

Software updates will happen automatically. You will be prompted to accept when one is available. If you are provided an installer by Tan Delta, please uninstall any previous versions of software before installing the new one.

5. How do I remove the software?

Simply go into your control panel and remove the software.

You can find further information in the Master User Guide on the support page of ourwebsite. If you have any further questions, please contact our support team by email: **support@tandeltasystems.com** who will answer no later than the next working day.

Alternatively, refer to Master User Guide
available at: **www.tandeltasystems.com/support**

Documents / Resources

TANDELTA OQDe Display Kit [pdf] User Guide
OQDe, OQSx-G2, OQDe Display Kit, Display Kit, Kit

References

- **Tan Delta Systems - Tan Delta Systems PLC**
- **Oil Database - Tan Delta Systems PLC**
- **Support | Tan Delta Systems**
- **Support | Tan Delta Systems**

Manuals+,