




TANDELTA SENSE-2 Display Express QQDe Kit User Guide

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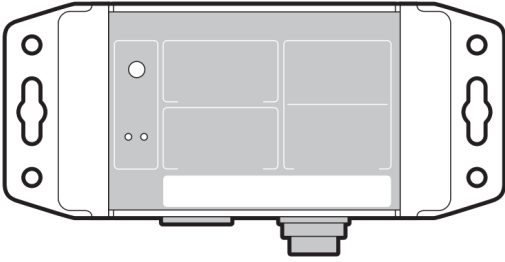


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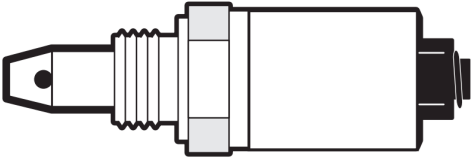
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WHAT'S IN THE BOX?

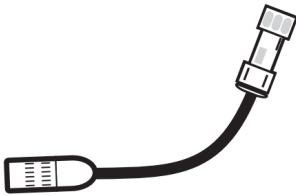
- Display Express (OQDe)



- Gen 2 Oil Quality Sensor (OQSx-G2)



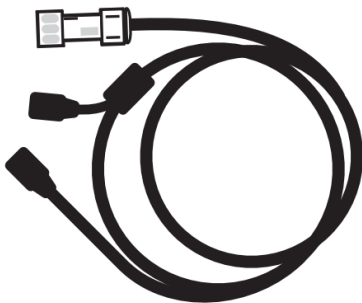
- Adaptor cable (Cable M)



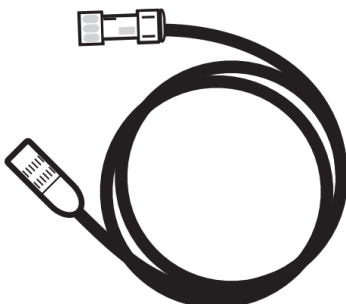
- Quick Start Guide



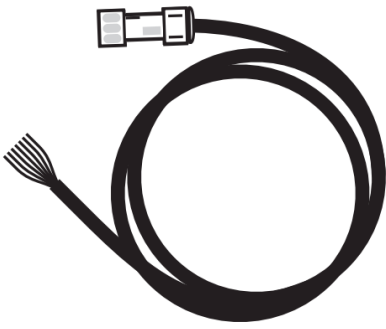
- Configuration cable (Cable J)



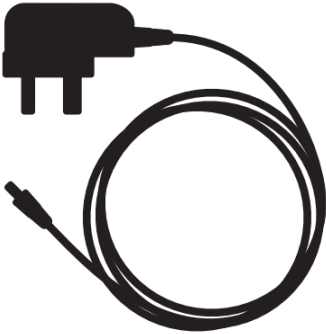
- Sensor to display cable (Cable SD)



- Display to bare ends cable (Cable DB)



- Power supply



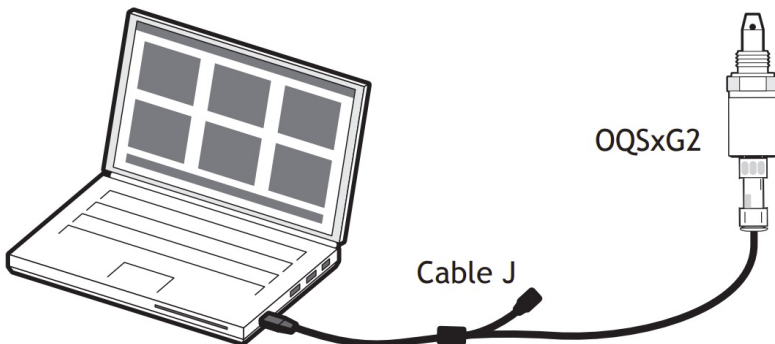
CONFIGURE

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

1. Allow Configuration Cable to install and update drivers.
2. Install CADS by scanning the QR code below or go to: www.tandeltasystems.com/support/



3. Select the correct comms protocol and oil type.

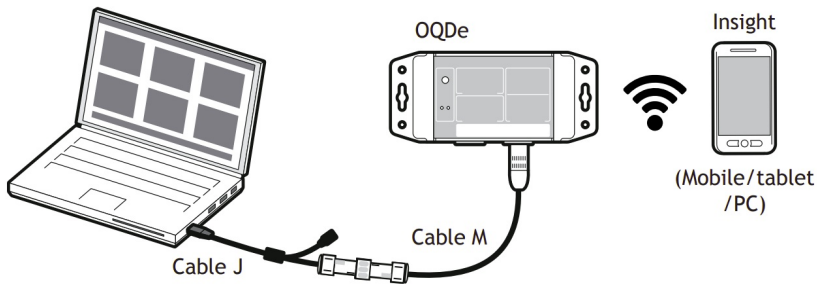


4. Search for active Wi-Fi networks on PC or Mobile device. Connect to “Tan Delta QQDe” Wi-Fi Hotspot.
Password = password
5. Navigate to Insight by manually going to web address <http://192.168.4.1> or scan the QR Code below:



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

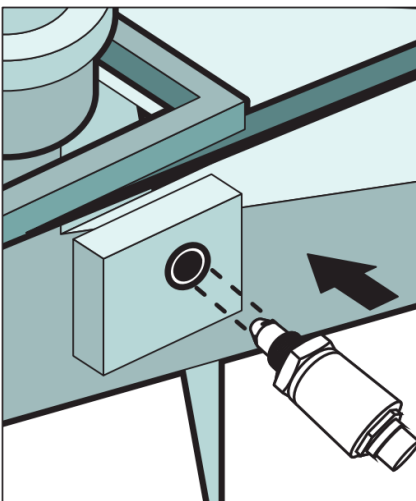
NOTE: Default oil condition warning and alarm levels are set for a diesel engine application.



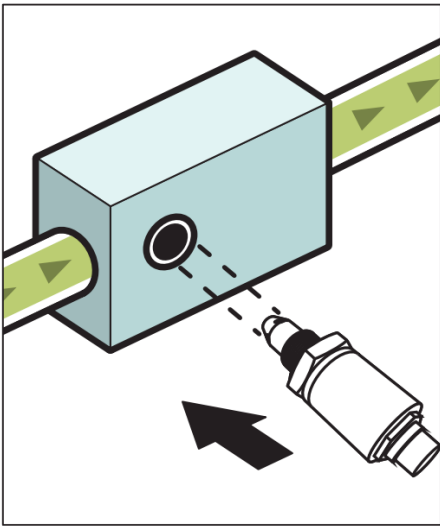
INSTALL AND CONNECT

LOCATION OPTIONS

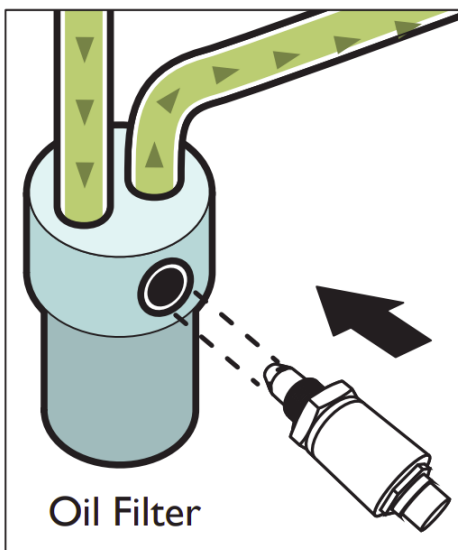
1. OEM Port



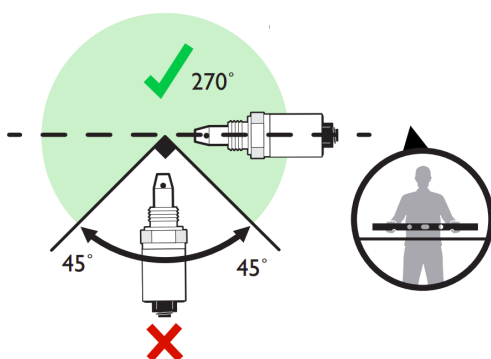
2. Manifold



3. Tan Delta Manifold

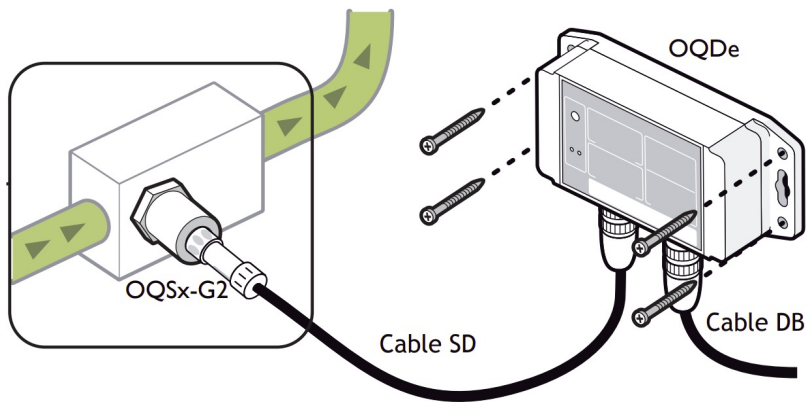
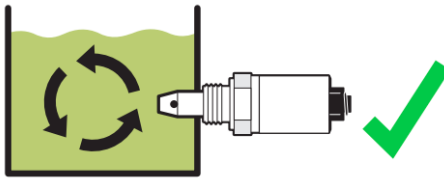
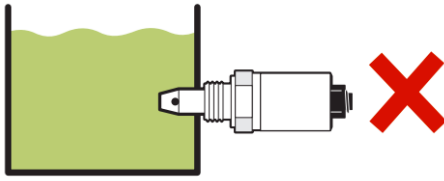
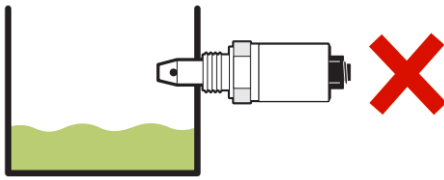


ORIENTATION



! Sensor may not function if installed incorrectly

IMMERSION



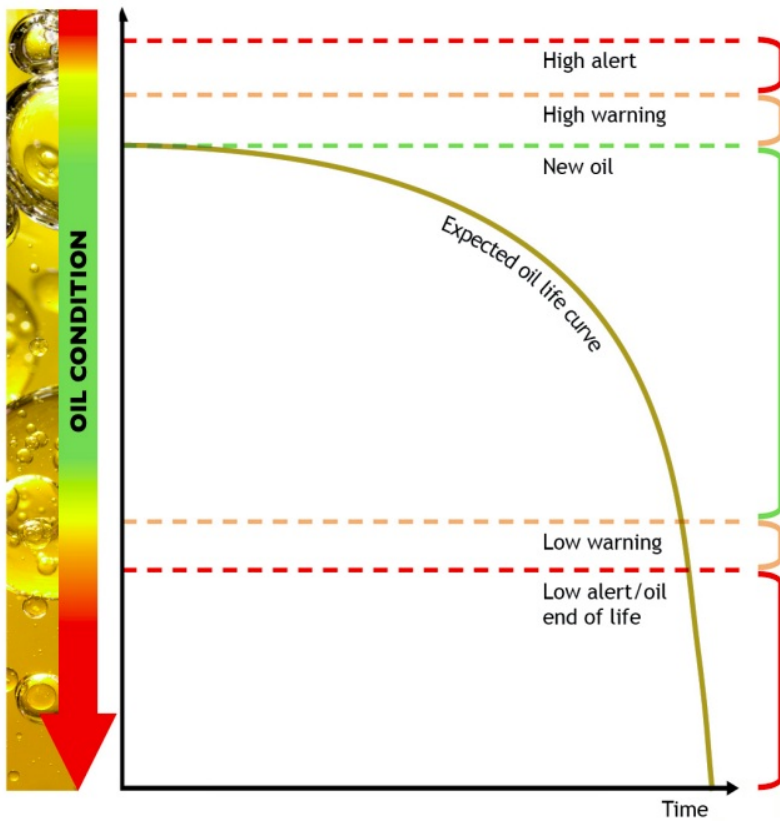
Cable DB Pin Out

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

Troubleshooting

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

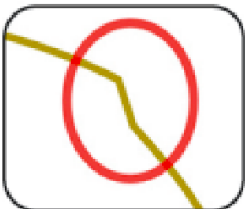
INTERPRETING OIL CONDITION



What does it mean?

High readings usually indicate the sensor head is in air. Check the location and move if necessary to head is submerged in oil. If location is OK, the high reading could be caused by fuel contamination or sweetening.

Oil condition is okay for the application selected and can continue to be used in operation. However, continued monitoring of the oil will detect any deviations from the expected all life curve. If detected, Investigate for potential issues which could lead to failure of equipment before they happen.



Oil is nearing the end of its life. schedule maintenance.

Engine	Diesel Engine	Gas Engine	Electrically insulating (e.g. transformer)	TOHydraulic	Transmission (e.g. gearbox)
1140 TDN -12.0 %LF	1140 TDN -12.0 %LF	1140 TDN 1101 2.0%LF-10-	1100 TDN -10.0 %LF	1060 TDN -08.0%LF	1100 TDN-10.0 %LF
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
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
400 TDN 025.0 %LF	410 TDN 024.5 %LF	760 TDN007.0%LF	760 TDN 007.0 %LF	760 TDN007.0%LF	700 TDN 010.0 %LF
300 TDN 030.0 %LF	310 TDN 029.5 %LF	660 TN 012.0 %LF	700 TON 010.0 %LF	660 TON 012.0 %UF	500 TON 020.0 5LF

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.

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.

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

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

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?

The sensor will exhibit a different response for every oil. For best results, it is advised to obtain an Oil Profile which Tan Delta will add to our Oil Database. Please complete and submit an Oil Profile Request Form online at www.tandeltasystems.com/oil-availability-checker/

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.

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 our = **website**. 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.

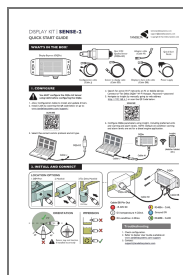
SCAN ME



<https://www.tandeltasystems.com/support/>

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

Documents / Resources



[TANDELTA SENSE-2 Display Express QQDe Kit](#) [pdf] User Guide

QQDe, QQSx-G2, SENSE-2, SENSE-2 Display Express QQDe Kit, Display Express QQDe Kit, Express QQDe Kit, QQDe Kit, Kit