

The Renold SmartGearbox OCMS Oil Quality Display – OQD Express

“**Displays 20/20
vision of your
oil condition.**”

The Renold Gears Oil Quality Display (OQD) is the perfect partner for the Renold Gears Oil Quality Sensor (OQSx).

The OQD Express (OQDe) displays and logs real time data from the Oil Quality Sensor (OQSx). Oil quality, temperature, rate of change and configurable quality level alerts are displayed in real time.



Key Features

Essential Information

Displays oil quality, temperature and rate of change in real time.

Bluetooth Connectivity

Stored data can be easily downloaded and sent wherever needed.

Configurable Quality Alerts

Configurable traffic light alert system provides simple visual oil quality reference.

Data Logger

Continuously logs up to 800,000 records of oil quality data which can be downloaded for analysis.

Robust and Rugged

The rugged IP67 rated enclosure and high quality industrial connectors make this unit very reliable.

Independently Tested

Has undertaken rigorous independent testing to verify the outstanding performance in a wide variety of applications.

Key Benefits



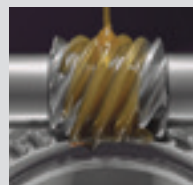
Increased Reliability

Detects and reports the early signs of hidden issues enabling remedial action to prevent accelerated wear and unexpected breakdowns.



Help the Environment

Increase equipment efficiency. Reduce oil consumption, maintenance activity and costs and conserve the environment.



Fewer Service Intervals

Less maintenance and servicing means increased equipment availability and reduced costs.

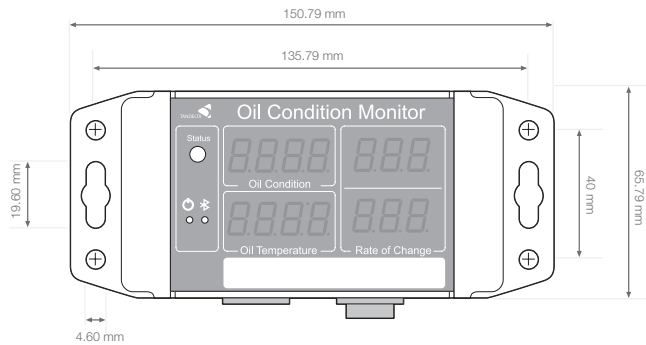


Peace of Mind

Knowing that your critical equipment is being monitored 24 hours a day, 365 days a year.

The Renold SmartGearbox OCMS Oil Quality Display

Dimensions



Specifications

Order Information

Product Name: OQD Express (OQDe)
Product Code: OQDe-A-2-1

Physical

Material: Heat Repellent Polycarbonate
Dimensions: 120 mm x 66 mm x 42 mm (L x W x H)
Weight: 300 g

Electrical

PowerSupply: 9–30V DC
PowerConsumption: Average 0.4w continuous 200mA

Data Output/Input

Analogue Output: 1 x 4–20mA
Digital Output: 1 x RS485: 9600 baud half duplex to sensor
1 x RS485: 512000 baud half duplex from display

Environmental

Operating Temperature: –30°C (–22°F) to +65°C (+149°F)

Data Logging

Storage Capacity: >800,000 records
Logging Interval: 1 minute to 45 days
Battery Backup: ~10 years
Data Download: Via RS485 or Bluetooth
RealTime Clock: Yes

Display

Oil Quality
Oil Temperature
Rate of Change (Condition/Time)
Status Indicator

Standards and Certification

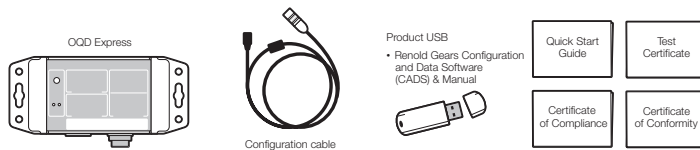
Water & Dust:
BSEN 60529:1992+A2:2013
IP67 when connected

Shock & Vibration:
BSEN 60068-2-30:2005
(Test Db – Cyclic Humidity)
BSEN 60068-2-6:2008
(Test Fc – Sine Vibration)
BSEN 60068-2-27:2009
(Test Ea – Mechanical Shock)

EMC:
EN 61000-6-4:2007
(Generic Emissions Standard for Industrial Environments)
EN 61000-6-2:2007
(Generic Immunity Standard for Industrial Environments)
EN 300 328 v1.8.1.
(Transferable Electromagnetic Compatibility for Wideband Data Transmission Equipment operating in the 2.4GHz ISM Band and using Wideband Modulation Techniques.)

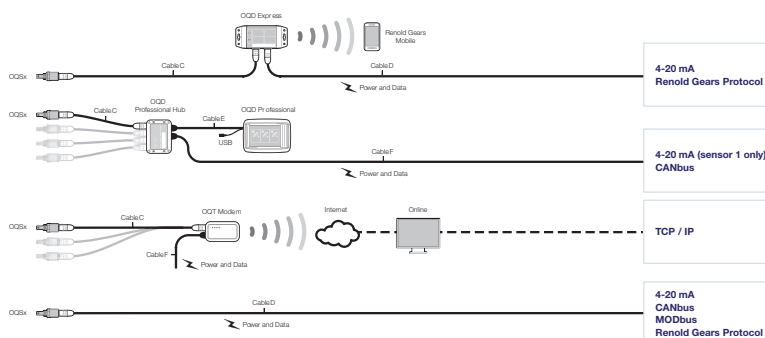
CE Marked

In the box



! You may require additional cables to complete your installation. Please refer to the Renold Systems Architecture diagram below.

System Architecture



Ordering information

Standard Display Unit = OQD-A-1-0

Standard Display Unit (with data logging) = OQD-A-1-1

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