

QGSx-G2 HAZ Oil Quality Sensor

EU DECLARATION OF CONFORMITY



Product Codes:

QGSx-G2-HAZ-BSPP-2m
 QGSx-G2-HAZ-NPT-2m
 QGSx-G2-HAZ-UNF-2m
 QGSx-G2-HAZ-BSPP-10m
 QGSx-G2-HAZ-NPT-10m
 QGSx-G2-HAZ-UNF-10m

Cert. Date: 05/08/23

Equipment: OQSx-G2 HAZ Oil Quality Sensor Manufacturer: Tan Delta Systems Ltd Address: 1 Carrera Court, Church Lane, Dinnington, Sheffield, S. Yorks, UK, S25 2RG		
This declaration of conformity is issued under the sole responsibility of the manufacturer		
This declaration relates to the OQSx-G2 HAZ Oil Quality Sensor as described in the certificate, coded:	Ex II 3 G	Ex ic IIC T4 Gc (-20 °C ≤ Ta ≤ +110 °C)
	Ex II 3 G	Ex ic IIC T3 Gc (-20 °C ≤ Ta ≤ +120 °C)
The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:	2014/34/EU	
The following harmonised standards and other technical specifications were used in support of this declaration:		
Harmonised Standards:	EN IEC 60079-0:2018 EN 60079-1:2014 EN 60079-31:2014	
Other Standards and Specifications used:	None	
Notified body SGS Fimco (number 0598) performed EU-Type examination in accordance with Annex III of the directive and issued the certificate: SGS22ATEX0059X		
Notified Body SGS Fimco (number 0598) performed Conformity to type based on quality assurance of the production process in accordance with Annex IV of the directive and issued the QA Notification document: BASUKQAN6852		
Signed for and on behalf of Tan Delta Systems Ltd	Tan Delta Systems Ltd 05/08/2023	Mr. Eric O'Neill Product Manager & Ex-Authorised Person

OQSx-G2 HAZ Oil Quality Sensor

EU DECLARATION OF CONFORMITY

Tan Delta Systems does hereby certify that OQSx-G2 HAZ Oil Quality Sensor meets or exceeds all internal test procedures. The OQSx-G2 HAZ Oil Quality Sensor has been found to conform in all respects to specifications, drawings, and workmanship standards.

Tan Delta Systems also certifies that the OQSx-G2 HAZ Oil Quality Sensor meets or exceeds the following standards when installed: -

Cyclic Humidity - BS EN 60068-2-30 Test Db, 2 off 24 hour Db cycles. Variant I, Upper Temperature: +55°C (+ 131 °F)

Sine Vibration - BS EN 60068-2-6 Test Fe, 1 0Hz - 57Hz@ +/- 0.23mm 57Hz - 2000Hz @ 30 mis A2, Sweep rate one octave/min, to complete 2 hours in each of 3 axis

Mechanical Shock - BS EN 60068-2-27 Test Ea, 500 m/s A2, 1 ms half sine shock pulse, 3 shocks in each sense of each 3 axis, total 18 shocks

Electromagnetic Compatibility - EN 61000-6-4:2007 & EN 61000-6-2:2005, Generic Emissions Standard for Industrial Environments, Generic Immunity Standard for Industrial Environments

Corrosive Gases and Chemicals - Components (Sensor Body Stainless Steel - AISI304, Connector Body CuZn, Nickel Plated, High Strength Retaining Compound - BS6920 - Hydroxypropyl Methacrylate). Criteria (Sulphuric acid or hydrochloric acid compounds - Ph>2. Diesel fuel, hydraulic oil, engine oil, bio & hydraulic oil proof. Corrosive dust - copper & sulphur, corrosive gases - exhaust gas and ammonium nitrate proof. UV-light proof - direct sunlight)

Ingress Protection - IP68

Operating Temperature Range - -20°C (-4°F) to + 120°C (+248°F)

I hereby certify that the above information is accurate.

Mr Eric O'Neill, Product Manager & Ex-Authorised Person

QOSx-G2 HAZ Oil Quality Sensor UK DECLARATION OF CONFORMITY



Product Codes:

QOSx-G2-HAZ-BSPP-2m
QOSx-G2-HAZ-NPT-2m
QOSx-G2-HAZ-UNF-2m
QOSx-G2-HAZ-BSPP-10m
QOSx-G2-HAZ-NPT-10m
QOSx-G2-HAZ-UNF-10m

Cert. Date: 05/08/23

Equipment: QOSx-G2 HAZ Oil Quality Sensor		
Manufacturer: Tan Delta Systems Ltd		
Address: 1 Carrera Court, Church Lane, Dinnington, Sheffield, S. Yorks, UK, S25 2RG		
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	Ex II 3 G	Ex ic IIC T3 Gc (-20 °C ≤ Ta ≤ +120 °C)
The object of the declaration described above is in conformity with the relevant United Kingdom legislation:	UKSI 2016:1107 (as amended by UKSI 2019:696)	
The following harmonised standards and other technical specifications were used in support of this declaration:		
Harmonised Standards:	EN IEC 60079-0:2018 EN 60079-1:2014 EN 60079-31:2014	
Other Standards and Specifications used:	None	
Approved body SGS Baseefa (number 1180) performed UK-Type examination in accordance with Schedule 3A, Part 1 of the legislation and issued the certificate: BAS22UKEX0171X		
Approved Body SGS Baseefa (number 1180) performed Conformity to type based on quality assurance of the production process in accordance with Schedule 3A, Part 2 of the legislation and issued the QA Notification document: BASUKQAN6852		
Signed for and on behalf of Tan Delta Systems Ltd	Tan Delta Systems Ltd 05/08/2023	Mr. Eric O'Neill Product Manager & Ex-Authorised Person

OQSx-G2 HAZ Oil Quality Sensor

UK DECLARATION OF CONFORMITY

Tan Delta Systems does hereby certify that OQSx-G2 HAZ Oil Quality Sensor meets or exceeds all internal test procedures. The OQSx-G2 HAZ Oil Quality Sensor has been found to conform in all respects to specifications, drawings, and workmanship standards.

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Mr Eric O'Neill, Product Manager & Ex-Authorised Person