



QPS Evaluation Services Inc
Testing, Certification and Field Evaluation Body
Accredited in Canada, the USA, and Internationally

Certificate Number
QPS 21ATEX5003X

EU Type Examination Certificate

- (1) **Equipment intended for use in potentially explosive atmospheres - Directive 2014/34/EU**
- (2) EU Type Examination Certificate Number: **QPS 21ATEX5003X** Issue Number: **00**
- (3) Product: **Water in Oil Monitor- 5650 series**
- (4) Manufacturer: **Teledyne Analytical Instruments**
- (5) Address: **16830 Chestnut Street, City of Industry, CA, 91748, USA**
- (6) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (7) QPS Evaluation Services Inc. 81 Kelfield St., Units 7-9, Toronto, ON M9W 5A3, Canada, Notified Body Number 2900, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential test report no. ATX35959-1

- (8) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

Standard	Edition
EN IEC 60079-0	2018
EN 60079-1	2014

- (9) If an 'X' suffix appears after the certificate number, it indicates the equipment is subject to conditions of safe use affecting correct installation
- (10) This EU Type Examination certificate only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.
- (11) The marking of the product shall include the following:



II 2G
Ex db IIC T4 Gb
Ta=-20°C to +60°C

(12) **SCHEDULE**

(13) **to EU Type Examination Certificate**

Issue No. **0**

(14) **Description**

The 5650 series is a Water in Oil Monitor which measures water concentration in oil. The monitor consists of the following certified parts:

Enclosure: IME Model 9080 – SIRA 12ATEX1363U – IIG Ex db IIC , Ta = -40°C to +60°C

Line Bushing – Quintex model LB series – EPS 11ATEX1342 – IIG Ex db IIC T4/T5/T6 (Ta = -20°C to +80°C (for T4))

Union – CMP Model 780 – CML 18ATEX1327X – Ex db IIC Gb – Ta = -20°C to +200°C

Union – Reducer Model 737 – CML18ATEX1320X – Ex db IIC Gb – Ta = -20°C to +60°C

Custom electronics are placed in the flameproof enclosure. Wires carry the signal from the sensor located in the process piping through the bushings, nipple and union combination into the flameproof enclosure

Model Nomenclature:

5650-

Where:

A=Mount

- F- Flange
- S- Threaded
- I- Welded
- T- Welded

BB=Enclosure Type

- 9080AM-IME 9080Aluminum ExD
- 9080WM- IME 9080 Aluminum ExD with Window
- 9080TM- IME 9080 SS316L ExD Blind
- 9080SM- IME 9080 SS316L ExD with Window

CC= Cable Entry

- 07-3/4" NPT
- 08- 1/2" NPT
- 09- M20 x 1.5
- 32- M25 x 1.5

denotes options not affecting Ex compliance

(15) **Electrical data**

12-26Vdc, 0.66W

(16) **Installation instructions**

M5650	69	C	May 2022	User Manual
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(17) **Report Number - ATX35959-1**

(12) **SCHEDULE**

(13) **to EU Type Examination Certificate**

Issue No. **0**

(18) **Specific conditions of use**

1. Read and follow the installation instructions
2. Maximum process temperature is 130°C
3. Due to the risk of static charges, clean surface of the equipment using a damp cloth.
4. The enclosure housing service temperature range should not exceed from -40°C to +76°C.
5. Entry devices with thread type other than metric or NPT are not permitted.
6. Regardless of the type of mounting it is required to ensure that the line bushing is secured against twisting or loosening.

(19) **Essential Health and Safety Requirements**

Covered by the standards listed at item (8).

(20) **Test documentation**

As listed in Report No. ATX35959-1

(21) **Certificate history**

Issue 0 - initial certificate

(22)

The following documents describe the equipment or component defined in this certificate:
Issue #0

Drawing No	Sheets	Rev	Date	Title
B-95925	4	0	2022-01-20	5650 BS & W Watercut Meter
B-95838	1	0	01/13/22	Label Certification (CqpsUS) Teledyne 5650 Series

Issued By: Dave Adams

Signature: 

Date: May 19, 2022