



1. **EC-TYPE EXAMINATION CERTIFICATE**

2. **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 94/9/EC**

3. **EC-Type Examination Certificate Number:** ITS15ATEX18394X

4. **Equipment or Protective System:** NexTD Oil in Water Monitor

5. **Manufacturer:** Turner Designs Hydrocarbon Instruments

6. **Address:** 2023 North Gateway Boulevard, Fresno, California 93727-1623, U.S.A.

7. This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8. Intertek Testing and Certification Limited, notified body number 0359 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Intertek Report 102323930DAL-001 dated 04-Apr-2016.

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with standards EN 60079-0: 2012 + A11: 2013, EN 60079-1: 2007, EN 60079-11: 2012, and EN 60079-25: 2010 except in respect of those requirements referred to at item 16 of the Schedule.

10. If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11. This EC Type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12. The marking of the equipment or protective system shall include the following:-



II 2 G Ex d ia IIB T4 Gb

-20°C ≤ Ta ≤ 47°C



**Todd L. Relyea**  
Certification Officer  
08 April 2016

**Intertek Testing & Certification Limited**  
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**Registered No 3272281 Registered Office: Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ.**

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SCHEDULE

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13. **Description of Equipment or Protective System**

The equipment is an “oil in water” monitor model NexTD that uses ultraviolet light to determine the level of oil in a sample of water. The equipment is an assembly of ATEX certified components along with an external intrinsically safe keypad. Electronic circuits along with intrinsic safety barriers are housed within a flameproof enclosure with inspection window. Certified cable glands along with a pressure switch and solenoid are mounted to the enclosure wall in manufacturer provided entry points. Unused entry points are closed with certified stopping plugs.

Certified Components Used Within the Assembly:

#	Manufacturer	Part Number	Certificate/DoC
1.	ASCO Valve Inc.	HV298934001/002	DEMKO10ATEX1007782X
2.	CMP Product Ltd	Triton T3CDS	SIRA 13 ATEX 1073X
3.	ITT Control Technologies	131P42CC6BHNRS (‘6’ denotes enclosure type 057-0771)	SIRA 10 ATEX 1017X Declaration of Conformity 083-0076
4.	Pepperl + Fuchs GmbH	Z954	BAS 01 ATEX 7005 Declaration of Conformity DOC-0060
5.	Akron Electric Inc.	XP2SL	DEMKO 15 ATEX 1481U
6.	Akron Electric Inc.	XP3SL	DEMKO 15 ATEX 1481U
7.	R. Stahl	8264/5222-2 (Stainless Steel) 8264/5224-3 (Aluminum)	KEMA 01 ATEX 2145U
8.	R. Stahl	8294/1	PTB 02 ATEX 1066U

14. **Report Number**

Intertek Report 102323930DAL-001 dated 04-Apr-2016.

15. **Conditions of Certification**

(a). Special Conditions for safe use

#	Condition
1	Potential risk of electrostatic discharge. See instructions for guidance to minimize the risk of electrostatic discharge.
2	Flameproof joints are not intended to be repaired. Contact the manufacturer for dimensions of flameproof joints of certified Ex “d” components used.
3	The property classes of the screws are A70 for M10x1.5 and A80 for M12x1.5.

(b). Conditions of Manufacture

- None

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16. **Essential Health and Safety Requirements (EHSR's)**

The relevant EHSR's have been identified and assessed in Intertek Report 102323930DAL-001 dated 04-Apr-2016.

17. **Drawings and Documents**

Title:	Drawing No.:	Rev. Level:	Date:
NexTD ATEX Approved Outline Drawing	105803	A	30-Mar-2016
Label, Static Risk	102780	B	23-Oct-2009
Label, Cat 2 Zone 1, Exd, BOB, ATEX CE	105684	C	04-Apr-2016
Drawing, NexTD IS Safe Keypad Cable Block Diagram	106491	A	30-Mar-2016

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