



Intertek



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: **ITS09ATEX26389X**

4. Equipment or Protective System: **Wireless Valve Monitoring Device VDA000XX**

5. Manufacturer: **ELTAV WIRELESS MONITORING LTD.**

6. Address: **15 Hatassia St.
Ranana 43654
Israel**

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 Ref 09039849A Issue 1 dated September 2009.

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2006 and EN 60079-11:2007 except in respect of those requirements referred to at item 18 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.

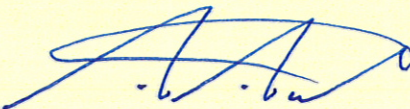
11. This EC Type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system.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

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



II 2 G Ex ia IIC T4

-40° < Ta < +80°C



A T Austin
Certification Officer
1 September 2009

Intertek Testing & Certification Limited
Intertek House, Cleeve Road, Leatherhead, Surrey, KT22 7SB
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13. SCHEDULE

14. EC-TYPE EXAMINATION CERTIFICATE NUMBER ITS09ATEX26389X

15. DESCRIPTION OF EQUIPMENT OR PROTECTIVE SYSTEM

The **ELTAV WIRELESS MONITORING LTD. Wireless Valve Monitoring Device VDA000XX** is a battery powered apparatus providing information to a remote location of the position of manually operated or actuated process valves by means of wireless communications.

The unit comprises an enclosure of plastics material housing printed circuit boards housing the monitoring electronics and radio. The device is attached to the valve being monitored by means of a bracket and a simple mechanical coupling to the valve shaft or operating handle.

Local status information is provided by visual indicators (LEDs).

The enclosure houses two lithium cells as power source, Tadiran type TLL 5902-T

Intrinsic Safety is assured by the limitation of current, power, inductance and capacitance and the use of specified batteries

16. REPORT NUMBER

Intertek Report Ref 09039849A Issue 1 dated September 2009.

17. SPECIAL CONDITIONS FOR SAFE USE

The Valve Monitoring Device enclosure may present an electrostatic hazard. Clean only using a damp cloth. Do not use solvents.

18. ESSENTIAL HEALTH AND SAFETY REQUIREMENTS (EHSR'S)

The relevant EHSR's have been identified and assessed in Intertek Report Ref 09039849A Issue 1 dated September 2009.

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13. SCHEDULE

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19. DRAWINGS

Number	Title	Issue	Date
PCA10010-29	VDA4 MAIN CARD BOM (2 sheets)	8	14 July 2009
PCA10011-29	VDA4 POWER CARD BOM	6	14 July 2009
VDA10014-29	VDA4 BOM	1	07 July 2009
PCA10010-17	VDA4 MAIN CARD (ATEX) (2 sheets)	F	6 Jul 2009
PCA10011-17	VDA4 POWER CARD (ATEX)	D	6 Jul 2009
PCB10008-18	VDA4 ATEX MAIN PCB LAYOUT (2 sheets)	F	12 July 2009
PCB10009-18	VDA4 ATEX POWER PCB LAYOUT (2 sheets)	D	12 July 2009
DOC10004	VDA Part Number structure	1	05 July 2009
PCA10010-21	Assembly Instructions for VDA4 ATEX MAIN Card (2 sheets)	3	14 July 2009
PCA10011-21	Assembly Instructions for VDA4 ATEX POWER Card (2 sheets)	4	14 July 2009
VDA00014-30	VDA4 PRODUCT TREE	1	6 July 2009
VDA10014-2	Valve Device main assembly	B	07.07.09
LBL00016	VDA4 ATEX MARKING LABEL	1	15.07.09

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