

(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: **KEMA 03ATEX2383**
- (4) Equipment or protective system: **Level and Float Switches Flotect Models L4 and V4**
- (5) Manufacturer: **W.E. Anderson, Division of Dwyer Instruments Inc.**
- (6) Address: **102 Indiana Highway 212, Michigan City, IN 46360, USA**
- (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) KEMA Quality B.V., notified body number 0344 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 report no. 2030994.

- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014 : 1997

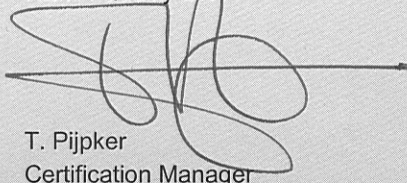
EN 50018 : 2000

- (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 according 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 EEx d IIB T6...T3 or 145 °C

Arnhem, 22 April 2004
KEMA Quality B.V.



T. Pijpker
Certification Manager

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SCHEDULE

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to EC-Type Examination Certificate KEMA 03ATEX2383**(15) Description**

The Level and Float Switches Flotect Models L4 and V4 are float and vane displacer operated switches.

Ambient temperature range -20 °C ... +75 °C.

The relation between temperature class and medium temperature is shown in the table below:

Temperature class	Max. medium temperature
T6	75 °C
T5	90 °C
T4	125 °C
T3 or 145 °C	135 °C

Electrical data

Voltage max. 250 V

Current max. 10 A

Installation instructionsCable connection

The cable entry device shall be of a certified flameproof type, suitable for the conditions of use and correctly installed.

The cable and cable gland shall be rated for a minimum temperature of 80 °C.

Conduit connection

An EEx d certified sealing device such as a conduit seal with setting compound, suitable for the conditions of use and correctly installed, shall be provided immediately to the entrance of the housing.

The wiring and setting compound in the conduit seal shall be rated for a minimum temperature of 80 °C.

Routine tests

Routine tests according to Clause 16 of EN 50018 are not required since the type test has been made at a static pressure of four times the reference pressure.

(16) Report

KEMA No. 2030994.

(17) Special conditions for safe use

None.

(18) Essential Health and Safety Requirements

Covered by the standards listed at (9).

(19) Test documentation

1. Certificate of Conformity ISSeP 95C.103.1183

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to EC-Type Examination Certificate KEMA 03ATEX2383

	<u>dated</u>
2. Descriptive Notice V4/L4 (5 pages)	29.03.2004
3. Drawing No. 82-001062-00, rev. 3	18.06.2003
82-001062-01 (2 sheets), rev. 1	19.06.2003
82-001062-03, rev. 1	01.07.2003
82-001062-05, rev. 1	18.06.2003
82-001062-06, rev. 1	18.06.2003
82-001062-07, rev. 1	18.06.2003
82-001062-08, rev. 1	18.06.2003
82-001062-09, rev. 3	18.06.2003