

[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: **DEMKO 03 ATEX 0321478**

[4] Equipment or Protective System: **RF 9200/RF 10000/RF 12000 Series Level Sensing System**

[5] Manufacturer: **Venture Measurement Company, LLC**

[6] Address: **150 Venture Blvd, Spartanburg, SC 29306 USA**

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

[8] UL International Demko A/S, notified body number 0539 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 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. **03NK21478 Report**

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014: 1997 E incl. A1-A2:1999

EN 50018: 2000+A1:2002

[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 the certificate.

[12] The marking of the equipment or protective system shall include the following:

ε II 2 G EEx d IIB T6

On behalf of UL International Demko A/S

Herlev, 2003-12-30


Karina Christensen
Certification Manager

Certificate: 03 ATEX 0321478

P1

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[13]

Schedule

[14]

EC-TYPE EXAMINATION CERTIFICATE No. DEMKO 03 ATEX 0321478

[15]

Description of Equipment or protective system

The RF 10000 series remote electronics unit is comprised of a cylindrical aluminium alloy enclosure fitted with a threaded cover which is locked against loosening by means of an external safety lock.

The RF10000/12000 remote electronics unit has an electronics pcb located in a flameproof housing for use with an RF Probe. Cable entry holes are provided for use with certified flameproof cable entry devices, with or without the interposition of a certified flameproof thread adaptor.

Temperature range

The ambient temperature range is -20 °C to +70 °C.

The relation between ambient temperature and the assigned temperature class is as follows:

Ambient temperature range

-20 °C to +70 °C

Temperature class

T6

Electrical data

120/240 VAC, 50/60 Hz, 4 VA or 12/24 VDC, 4 VA

Installation instructions

The approval applies to equipment without cable glands. When mounting the flameproof enclosure in the hazardous area, only EEx d IIB flameproof cable glands or stopping boxes certified to EN 50018 must be used.

The enclosure must not be opened while energized.

Unused conduit entries must be closed with EEx d IIB flameproof plugs certified to EN 50018.

Routine tests

Routine tests according to EN 50018 cl. 16 are required, as the enclosures have not been successfully tested at four times the reference pressure.

[16]

Report No.

Project Report No.: 03NK21478

Drawings:

Number

Date

Description

Certificate: 03 ATEX 0321478

Report: 03NK21478

P2 /3

Schedule

EC-TYPE EXAMINATION CERTIFICATE No. DEMKO 03 ATEX 0321478

LRF120022, rev. J	2003-02-10	Cover Cast-Remote Electronics RF Probes
LRF130101, rev. C	1989-09-11	RF-Series sight glass fitting
LRF140002, rev. L	1998-08-05	Cover cast-remote electronics RF probe
LRF130198	1993-05-13	Label RF91,92,11,12 Cal Instructions
LRF130187	1992-11-05	Label Hookup diagram
LRF130134	1989-09-18	Warning Label
LRF130251	2003-08-07	Nameplate
LRF180025	2002-10	Installation instructions

[17] Special conditions for safe use:
None

[18] Essential Health and Safety Requirements
Concerning ESR this Schedule verifies compliance with the Ex standards only. The manufacturer's Declaration of Conformity declares compliance with other relevant Directives.

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in ANNEX III to Directive 94/9/EC of the European Parliament and the Council of 23 March 1994.

On behalf of UL International Demko A/S

Herlev, 2003-12-30


Karina Christiansen
Certification Manager

Certificate: 03 ATEX 0321478

P 3

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