




- (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: **ISSeP13ATEX021X**
- (4) Equipment or protective system:
Level Transmitter type HORIZON 704
- (5) Applicant – Manufacturer – ~~Authorized representative in the Community:~~
MAGNETROL International n.v.
- (6) Address: Heikensstraat 6
B – 9240 Zele
- (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) ISSeP, notified body n° 492 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 n°: 12085
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0 : 2012 (CEI 60079-0 : 2011)
EN 60079-11 : 2012 (CEI 60079-11 : 2011)
EN 60079-26 : 2007 (CEI 60079-26 : 2006)
- (10) If the symbol "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 this Directive may 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 indications:
 II 1 G Ex ia IIC T4 Ga

Colfontaine, the 10.07.2013

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M. LAMBERT,
Manager.

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(13)

SCHEDULE

(14)

EC TYPE EXAMINATION CERTIFICATE N^R ISSeP13ATEX021X

(15) Description of the equipment or protective system:

Level Transmitter type HORIZON 704

Possible and admissible variations:

7 0 4 - 5 X X X - A 4 X

Model Number

Power

5 = 24 VDC, deux fils

Signal output

0 = Sortie analogique 4-20 mA uniquement

1 = 4-20 mA avec protocole de communication Hart®

Menu language

Accessories

0 = Aucun

A = Ecran d'affichage numérique et clavier

Mounting/Approval

A = Intégral, sécurité intrinsèque

Housing

4 = Aluminium moulé, compartiment simple

Cable entry

Probe types:

7 E X - X X X X - X X X

7 M X - X X X X - X X X

Electrical parameters

U_i = 28,4 V I_i = 94 mA P_i = 0,67 W

C_i = 20 nF L_i = 400 μH L_i/R_i = 33,33 μH/Ω

Eventual prescriptions

T_a : - 40 °C to + 70 °C

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EC TYPE EXAMINATION CERTIFICATE N^R ISSeP13ATEX021X

(16) Report n^o: 12085 of 25.06.2013

Composed in total of 25 pages, completed by the following descriptive documents:

- "HORIZON Model 704 - Installation and operating Manual" n^o: BE 57-604.3 (20 pages)

- The drawing:

Number	Rev.	Date	Pages	Description
099-7208	B	04.2013	5	Model 704 2 wire transmitter
094-6039	G	01.2011	3	Schematic Eclipse Analog Amplifier and Comparator
09-9092-001	J	03.06.2013	6	
030-9135	P	10.2006		703 / 704 Analog Assembly
094-6041	C	06.2003	2	Schematic Model 704 Transmitter Two Wire Power Supply
09-9094-001	G	03.06.2013	6	
030-9137	L	27.10.2009	2	704 Digital Assembly
94-6042	A	18.11.2002		Schematic Model 704 Model 704 Display
09-9095-001	C	03.06.2013	3	
030-9138	F	05.2010		Model 704 Bezel Assembly

(17) Special conditions for safe use:

Symbol X

Material marked as Category 1 (zone 0) equipment and used in hazardous areas requiring this category, shall be installed in such a way that, even in the event of rare incidents, the aluminium enclosure cannot be an ignition source due to impact or friction

(18) Essential Health and Safety Requirements: covered by the Standards listed in (9)