

TYPE EXAMINATION CERTIFICATE



[2] **Equipment or Protective System intended for use
in Potentially Explosive Atmospheres
Directive 2014/34/EU**

[3] Type Examination Certificate Number: **DEMKO 16 ATEX 1601X Rev. 1**

[4] Product: **FLEX EX/EM/PRO Series Handheld Transmitters**

[5] Manufacturer: **Magnetek, Inc.**

[6] Address: **N49 W13650 Campbell Drive, Menomonee Falls, WI 53051 USA**

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

[8] UL International Demko A/S certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.

The examination and test results are recorded in confidential report no. **4787855283**

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

EN 60079-0:2012+A11:2013

EN 60079-11:2012

except in respect of those requirements listed at item 18 of the Schedule.

[10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

[11] This Type examination certificate relates only to the design of the specified product, and not to specific items of product subsequently manufactured.

[12] The marking of the product shall include the following:

 **II 3 G Ex ic IIC T4...T3 Gc**

Certification Manager
Jan-Erik Storgaard

This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Date of issue: 2016-11-11

Re-issued: 2017-04-25

Certification Body

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
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Schedule

TYPE EXAMINATION CERTIFICATE No.

DEMKO 16 ATEX 1601X Rev. 1

[13]

[14]

[15] Description of Product:

The Flex EX/EM/Pro Series Transmitters are a family of handheld portable wireless controllers. The transmitter contains various finger operated switches and controllers for remote control of machinery. The devices are powered by two size "AA" alkaline batteries connected in series. The batteries are only to be replaced in non-hazardous locations.

The optical radiation output of the product with respect to explosion protection, according to Annex II clause 1.3.1 of the Directive 2014/34/EU is covered in this certificate based on Exception 1 to the scope of EN 60079-28:2015.

Temperature range:

Model	Ambient Temperature Range	Temperature Code	Battery
Flex 8EX TX, Flex 8EX-AB TX, Flex 12EX TX, Flex 12EX-AB TX, Flex 8EM TX, Flex 12EM TX, Flex 8Pro TX, Flex 12Pro TX	-40°C to +40°C	T4	Duracell MN1500, Duracell PC1500, Energizer E91, Panasonic LR6XWA, Rayovac 815
	-40°C to +60°C	T4	Duracell MN1500
	-40°C to +60°C	T3	Duracell MN1500, Energizer E91, Panasonic LR6XWA

Electrical data

Two alkaline batteries, size "AA" connected in series. See above table for list of approved batteries.

Routine tests:

None

[16]

Descriptive Documents

The scheduled drawings are listed in the report no. provided under item no. [8] on page 1 of this Type Examination Certificate.

[17]

Special Conditions of Use:

The Flex EX/EM/Pro Series have a maximum measured capacitance between exposed metal parts of 11.2 pF. Caution must be taken to avoid electrostatic discharge. Please see specific conditions of safe use in the instruction manual for additional details.

[18]

Essential Health and Safety Requirements

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

Additional information

The Flex EX/EM/Pro Series Transmitters have in addition passed the tests for Ingress Protection to IP 66 in accordance with EN60529:1991+A1:2000+A2:2013.