

Supplement Nr: 02

EU Type Examination Certificate

(2) Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres

Directive 2014/34/EU

(3) EU Type Examination Certificate Number: IEP 24 ATEX 1482U

(4) Equipment: Aircom Pulse ATEX

(5) Firm Name: MANAS Enerji Yönetimi Sanayi ve Ticaret A.Ş.

(6) Firm Address: 1. OSB Ahi Evran Mah. Anadolu Cad. No: 25 Sincan, Ankara – TÜRKİYE

(7) This equipment or protective system and any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The IEP Uluslararası Enerji Petrol Gözetim , Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti., notified body number 2284 in accordance with Article 17 of the Directive 2014/34/EU of European Parliament and of the Council, dated 26 February 2014, 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 the Directive. The examination and test results are recorded in confidential Report Nr: IEP.Rp.Ex.10-2976-2 date 12.02.2025.

(9) Compliance with Essential Health and safety requirements has been assured by compliance with ;

EN IEC 60079-0: 2018, EN 60079-11: 2012, EN 60079-18: 2015

(10) If the sign “ U “ is placed after the certificate number, it indicates that the product is subject to Specified Conditions of Safe Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the directive 2014/34/EU. Further requirements of the directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include the following :



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Responsible Person :

Nurettin Terzioğlu
Head of Certification Body

Supplement 02 Date of Issue : 13.02.2025





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(13) Schedule

(14) Certificate Nr: IEP 24 ATEX 1482U

(15) Description of Equipment:

Aircom Pulse ATEX type is a pulse counting module that converts the consumption amount counted by the mechanical meter structure on which it is mounted into digital data with the inductive detection method in its design, allowing it to be read with the help of an external display device and transmitting any violations that may occur on the meter or module to this external display. Electronic cards and components are in capsules. The modular system of output signals is mounted in a non-hazardous area. If the output modular system is in a zone within the scope of the Zone, it is connected to an ATEX certified module system. The degree of protection is IP 68. This equipment is used in zone 0.

This certificate is valid in accordance with the attached reports;

- IP Test report according to the EN 60529 (ELDAŞ Elektronik San. Ve Tic. A.Ş .)

Report Nr: AB-0045-T , LVD-0402 , 07-13 Report date : 04.07.2013

- General Test report according to the EN 60950-1 (ELDAŞ Elektronik San. Ve Tic. A.Ş .)

Report Nr: AB-0045-T , LVD-0601 , 02-12 Report date : 03.02.2012

- EMC Test report according to the EN 301489-1 V1.9.2:2011 (ELDAŞ Elektronik San. Ve Tic. A.Ş .)

Report Nr: AB-0045-T , EMC--1301 , 02-12 Report date : 16.01.2012

- MSDS Declaration: POLINAT 8003 Additional 2 (Total 5 page)

Technical Specifications of Aircom Pulse ATEX

Equipment Name	Aircom Pulse ATEX
U_i	30 V DC
U_o	3.9 V DC
I_i	500 mA
I_o	1 mA
P_i	1 W
P_o	1 mW
L_i	0 uH
L_o	1 H
C_i	3 nF
C_o	999.9 uF
IP Protection	IP 68
Ambient Temperature	(-25 ~ +55) °C

Responsible Person :

Nurettin Terzioğlu
Head of Certification Body



IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyon Ticaret Limited Sirketi
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(16) Certificate Nr: IEP 24 ATEX 1482U

(17) Essential Health and Safety Requirements: Aircom Pulse ATEX can use in zone 0 and IIC gas group. This certificate is in the contents of standards that mentioned in item [9] It has been accepted that are manufactured according to the producer instructions and the standards mentioned above. System manually total pages 4 and date 01.04.2024.

Installation must be done by an authorized person or authorized company in accordance with the user manual and relevant standards.

(18) List of Documentation;

Electronic circuit drawings

Drawing Nr ;	Drawing Name ;	Drawing Date ;
A.Pulse-01	Microcontroller unit schematic	01.04.2024
A.Pulse-02	Microcontroller unit schematic	01.04.2024
A.Pulse-03	Electronic diagram	01.04.2024
A.Pulse-04	Power unit schematic	01.04.2024

Mechanical drawings;

Drawing Nr ;	Drawing Name ;	Drawing Date ;
TÇ-AIR-01	Lower body	01.04.2024
TÇ-AIR-02	Upper body	01.04.2024
TÇ-AIR-03	Screw connection	01.04.2024
TÇ-AIR-04	Seal plug	01.04.2024
TÇ-AIR-05	Overall dimensions	01.04.2024
TÇ-AIR-06	Disassembly view	01.04.2024
TÇ-AIR-08	Label	01.04.2024

The parts that are used in Aircom Pulse ATEX are determined in confirmed the equipment's list 2 pages and dated 01.04.2024.

Supplement Nr	Supplement Date	Summary Description of Variation
02	13.02.2025	Inductance addition
01	21.01.2025	Technical change
00	20.09.2024	First issue of certificate

Responsible Person:
Nurettin Terzioğlu
Head of Certification Body



Supplement 01 Date of Issue : 13.02.2025

