ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Certificação de Produto

OCP 0101

Brasil

.

CUSTOMER CODE INMEX 123569 0002 Rev. 00

Certificate Number TUV SUD INMEX 24.0002X

Supplier: **Lupus Equipamentos para Lubrificação e Abastecimento Ltda**
Rua: Lupo Paneli, 303
Industrial
18520-000 Cerquilho SP
BRAZIL

CNPJ 57.026.585/0001-36

Manufacturer: **PIUSI S.P.A.**
Zona Industriale Rangavino, Via Pacinotti 16/A, 46029 SUZZARA, ITALY

Product: **Electronic turbine meters**
K24

TÜV SÜD Brasil- OCP 0101 certifies that the referenced product is in accordance with the Inmetro Ordinance applicable for this product and Technical Standards applicable to the described scope and according to the technical data mentioned in this certificate. The certification mark sent to the supplier with this certificate shall be affixed on the product and should not be changed. The validity of this Certificate is linked to carrying out assessments maintenance and treatment of possible non conformities in accordance with TÜV SÜD Brasil- OCP 0101 orientation and foreseen in the specific Inmetro Ordinance. For verification of the updated compliance condition of this Certificate of Conformity, the data bank of certified products and services of INMETRO must be consulted.
Products must be installed in compliance with the relevant Standards in Electrical Installations in Explosive Atmospheres.
The installation, inspection, maintenance, repair, overhaul and recovery activities of the equipment are the responsibility of the users and must be performed in accordance with the requirements of the current technical standards and the manufacturer's recommendations.
See www.tuvsud.com/ps-cert for details.

Certificate of Conformity valid only accompanied by the total pages indicated on the footer.

Test Report(s) / issue date: IT/CES/ExTR13.0022_01 - 2023-11-16

Initial issue: 2024-02-27
Revision issue: 2024-02-27
Valid until: 2030-02-26

(Alice Maia)

TÜV SÜD SFDK - Av. General Valdomiro de Lima, 833 – Jabaquara - São Paulo – SP - 04344-070 - Brazil

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Model(s): F00408 N NN

Trade name: **PIUSI**

Product Description
The electronic turbine meters K24 are apparatus, designed and manufactured, for digital and bi-directional low viscosity liquids measurement. The K24 compatible liquids are: diesel fuel, kerosene, gasoline.The K24 series meters are connected directly to the pipes, they are manufactured in two versions:Meter (for direct measurement with LCD display);Pulser (for remote measurement).The Meter version has selfpowered by a Lithium battery pack; the Pulser version via certified barrier. The housing of the K24 apparatus is made of aluminum with two protective rubber guards, a plastic display cover and stainless steel back closure. The degree of protection of the equipment is IP65.

Marking - Type of protection used
Ex ia IIB T4 Gb

Electrical Parameters
Version K24 Meter: lithium battery pack cod. PIUSI 018021000 (VARTA CR 1/2 AA - 3V; 950mAh) Version K24 Pulser: Ui = 12 V, Ii = 100 mA, Pi = 0.3 W Tamb.: from -10°C up to +50°C

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List of Documents

Filename	Document number	Rev.	Data/*Date*
Technical file for IECEx and ATEX directive	FT112_IECEX_K24	001	2023-10-23
Safety instruction	M0320 D	000	2022-04
Gap analysis IEC 60079-0:2017 / EN IEC 60079-0:2018	--	001	2023-10
Technical note Technichal File for IECEx and ATEX directive	MT K24	000	2013-09-02
Safety instruction	M0283	000	2013-09-02
Drawing battery technical drawing	EX018	000	2013-09-27
Drawing electronic board meter version	EX019	000	2013-08-01
Drawing electronic board pulser version	EX020	000	2013-08-01
Drawing assembly K24 meter	EX021	000	2013-08-30
Drawing assembly K24 pulser	EX022	000	2013-08-30
Drawing PCB meter version gerber	EX023	000	2013-07-02
DE_TPS_QAR18.0005_03_003	DE/TPS/QAR18.0005/03	00	2023-06-29
TSB_F_03.189E_APPENDIX_FIR_Mod5 - Rev_1 722331870 Piusi	722331870	00	2024-01-31
INMEx_Factory_Insp_Rep_Mod5 Rev1 722331870 Piusi	722331870	00	2024-01-31
IECEx_CES_13.0021X_002	IECEx valid certificate - IECEx_CES_13.0021X_002	Issue 2	2023-11-28
Technical evaluation report	20240212_23103002_RACT - 123569_2/2024	00	2024-02-12
User manual	M0742 ENPT_REV00_K24 ALLUMINIO INMETRO - M0742	00	2024-02

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"Specific Conditions of Use":

- The conditions of the installation, use and maintenance of the **K24** meters, are included within the Safety Instruction. For a safe use these "Safety Instruction".
- Instruction are to be followed precisely.
- Use only low viscosity compatible liquids.
- Replace the internal battery pack in a non-hazardous area, and exclusively with **PIUSI** model n.018021000.
- The complementary parts of the **K24** meters system such as pipes, nozzle, etc. shall guarantee the continuity of the ground connection.

Laboratory(ies) names : CESI S.p.A

Factory inspection: 2024-01-31

Model of certification: 5

Note: This certification only covers the national regulations described in "In compliance to".

In compliance to:

ABNT NBR IEC 60079-0:2020
ABNT NBR IEC 60079-11:2013 versão corrig. 2017
Portaria INMETRO N. 115 de 21 Março de 2022

Factory(ies):

PIUSI S.P.A.
Zona Industriale Rangavino, Via Pacinotti 16/A, 46029 SUZZARA, ITALY

Revision History:

2024-02-27	Initial issue.
The last revision replaces and cancels the previous one Certificate with digital signature for electronic file. Authenticity can also be confirmed with the QR Code on page 1	

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