

(1) Statement of Conformity

- (2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 2014/34/EU**



- (3) **Statement of Conformity Number: TÜV CY 18 ATEX 0206066 Issue 01**

(4) for the equipment: Electronic Gas Meter BK04ZENNERxx

(5) of the manufacturer: **Zenner Gas S.r.L.**

(6) Address: Via Aterno 122 – Z.I. Sambuceto – 66020 – San Giovanni Teatino (CH) - ITALY

Order number: 0206066

Date of issue: 24/01/2020

- (7) This equipment or protective system and any acceptable variation thereto are specified in the schedule to this statement of conformity and the documents therein referred to.
- (8) TÜV CYPRUS Ltd 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 the confidential report No. 20 0206066.
- (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

(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 statement of conformity relates only to the design, examination and tests of the specified equipment in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

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

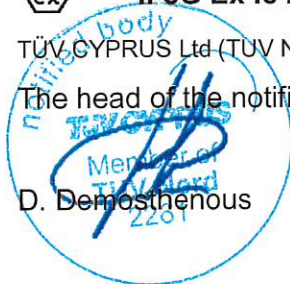


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TÜV CYPRUS Ltd (TÜV NORD Group),

The head of the notified body,

D. Demosthenous



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(13) **SCHEDULE**

(14) **Statement of Conformity No. TÜV CY 18 ATEX 0206066 Issue 01**

(15) Description of equipment

The BK04ZENNERxx is a volumetric corrector dedicated to the fiscal measurement and conversion of methane gas volumes in accordance with the EN 12405-1 standard.

The BK04ZENNERxx is battery powered by two primary Li-SOCI₂ batteries installed inside the device. The first, the communication battery, is replaceable, the second one, the metrological battery, welded directly on the PCB, is not removable and is protected in the main compartment under metrological seals.

The device consists of a volumetric membrane meter (gas meter), to which is connected an electronic device (EVCD) for accounting and volume conversion. The measurement of the volume coming from the volumetric meter is read by an optical encoder and converted into volumes at the thermodynamic conditions. Conversion considers the gas temperature only, which is measured using a special sensor completely inserted into the meter body.

The acquired data are accessible to the user by means of an electronic display whose navigation is possible through two touch-sensitive keys. An infrared communication interface, on the other hand, makes local communication possible by sector operators.

The current Issue 01 includes the change of address of the manufacturer and is not relevant for the safety concept.

Allowable ambient temperature range:

Permissible range of ambient temperature: -25°C to +55°C

Type Key

BK04ZENNERxx

xx specify the subsequent firmware revisions

Technical data:

Electrical parameter:

Power Supply Rated Voltage: 3,6 Vdc

Connector J8 (polarized) Ui: 3,9 V

Warning:

– Use only replaceable battery pack Zenner Cod. 0506029168017 – see Instructions

(16) Test documents are listed in the test report No. 20 0206066.

(17) Special conditions for safe use

None

(18) Essential Health and Safety Requirements

This Statement of Conformity covers only the Essential Health and Safety Requirements related to the Directive 2014/34/EU