



(1) **Conformity Statement**

- (2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 2014/34/EU**
- (3) Certificate number: **SEV 5 ATEX 0126 X**
- (4) Product: Magnetic stirrer, Types: Mrk, mini, mrk1 , mrk 2
- (5) Manufacturer: Premex Solutions GmbH
- (6) Address: Grenzstrasse 20B, 3250 Lyss, Switzerland
- (7) This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) Eurofins certifies that this product 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 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. 20CH-01750.X01
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:

**EN ISO 80079-36:2016**  
**EN ISO 80079-37:2016**

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 subjected to special conditions for safe use specified in the schedule to this certificate. The sign “U” is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.
- (11) This Conformity Statement relates only to the design and construction of the specified product and not to specific items of product subsequently manufactured.
- (12) The marking of the product shall include the following:

 **II 2 G Ex h IIC T6 ... T1 Gb**

**Eurofins Electric & Electronic Product Testing AG**  
**Notified Body ATEX**

Martin Plüss  
Product Certification



(13)

## Appendix

(14)

**Conformity Statement no. SEV 5 ATEX 0126 X**

(15) **Description of product**

Premex mrk series magnetic stirrer heads are used for contactless power transmission by means of internal and external magnets (magnetic coupling).

The internal magnet is located in zone 1, the external magnet in zone 1 or zone 2.

The magnetic stirrer head drive consists of a separately certified electric motor with the type of protection "increased safety" or "flameproof enclosure". The drive can also be a separately certified air motor.

**Type designation:**

The type designation is followed by descriptions of variants that have no relation to explosion protection, e.g. type with cone, thread or flange.

**Rating:**

Maximum ball bearing speed: 2000 rpm

Maximum plain bearing speed: 1200 rpm

**Notes:**

1. According to directive 2014/34/EU Appendix I, the magnetic stirrer heads are devices of the equipment group II, category 2G which according to directive 99/92/EC (ATEX137) may be used in zones 1 and 2 as well as gas groups IIA, IIB and IIC, which are potentially explosive due to combustible substances in the temperature classes T1 to T6. For use/installation, the requirements of EN 60079-14 must be observed.
2. The following options are possible: The magnetic stirrer heads can be provide with a separately certified, intrinsically safe controlled reed contact for speed monitoring, bursting disc, pressure gauge and/or manually actuated valve.
3. The permissible ambient temperature range is -20 °C to +40 °C.
4. The information in the manufacturer's operating instructions must be observed.

Classification of installation and use: portable / stationary

Ingress protection: IP20

Rated ambient temperature range (°C): -20 °C to +40 °C

(16) **Report number**

20CH-01750.X01

(17) **"Special conditions for safe use" / "Schedule of limitations"**

- The device has to be earthed.
- The variant of titan version has to be protected mechanically from impact.
- The user must ensure that no liquids or solids get inside.

(18) **Essential health and safety requirements**

In addition to the essential health and safety requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
None	

(19) **Drawings and documents**

See Test Report "Manufacturer's Documents"