



(1) **EU-Type Examination Certificate**

- (2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 2014/34/EU**
- (3) Certificate number: **SEV 14 ATEX 0134**
- (4) Product: Pressure transducer  
Type Cerabar PMC21, Cerabar PMP21, Cerabar PMP23
- (5) Manufacturer: Endress+Hauser SE+Co. KG
- (6) Address: Hauptstrasse 1, 79689 Maulburg, Germany
- (7) The equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) Eurofins, notified body No. 1258, in accordance with article 17 of Directive 2014/34/EU of the 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 no 21CH-00237.X03
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:

**EN IEC 60079-0:2018**  
**EN 60079-11:2012**  
**EN 60079-26:2015**

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 EU type examination certificate relates only to design and construction of the specified product. Further requirements of this directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- (12) The marking of the product shall include the following:

 **II 1/2G Ex ia IIC T4 Ga/Gb**  
**II 2G Ex ia IIC T4 Gb**

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

Martin Plüss  
Product Certification



(13)

## Appendix

(14)

EU-Type Examination Certificate no. SEV 14 ATEX 0134

(15) **Description of product**

Intrinsically safe pressure transmitter Cerabar type PMC21, type PMP21 and type PMP23 is used in potentially explosive atmospheres of flammable gases, liquids or vapours, for pressure measurement. Depending on the measurement principle (relative or absolute) a pressure compensating element is mounted at the enclosure. The sensors are metal types PMP21, PMP23 or ceramic types PMC21. The measured signal is converted into 4-20 mA output signal. Connection of pressure transmitters is via permanently connected cable with different lengths, or valve connection, or a plug.

Ambient temperature range: -50 °C to +70 °C.

Process temperature depending on type of pressure transmitter:

Transmitter type	Process temperature
Type PMC21	-25 °C to 100 °C
Type PMP21	-40 °C to 100 °C
Type PMP23	-10 °C to 100 °C

The above defined process temperatures are referring to the temperature at the sensor diaphragm.

### Ratings:

Supply, and output circuit-  
20 mA input circuit  
(terminals +, - or connector)

in type of protection intrinsic safety Ex ia IIC, only for connection to a certified intrinsically safe circuit with the following maximum values:

$U_i$  = 30 V  
 $I_i$  = 100 mA  
 $P_i$  = 0.8 W  
 $C_i$  = 11.61 nF  
 $L_i$  = 0

Classification of installation and use: stationary

Ingress protection: IP20

Rated ambient temperature range (°C): -50 °C to +70 °C

Rated ambient temperature range (°C) N/A

(16) **Specific conditions of use**

None

(17) **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	

(18) **Drawings and Documents**

See test report "Manufacturer's Documents"