



(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 17 ATEX 0105**

(4) Product: Signal conditioner
Type MU-80-Ex

(5) Manufacturer: WEKA AG

(6) Address: Schürlistrasse 8, 8344 Bäretswil, SWITZERLAND

(7) The equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) Electrosuisse SEV, 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 16-Ex-0080.01

(9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN 60079-0:12 + A11:13 EN 60079-11:12

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.

(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) G [Ex ia Ga] IIC

**Electrosuisse
Notified Body ATEX**

Martin Plüss
Product Certification



(13)

Appendix

(14)

EU-Type Examination Certificate no. SEV 17 ATEX 0105

(15) **Description of product**

These signal conditioners convert the passive voltage signal (XM sensors) into a standardized, impressed 4...20 mA signal in 2-wire technology (XT sensors). The selection of conditioner depends on the planned service, i.e. shock-tested (proven) or intrinsically safe areas.

Ratings:

Supply and output circuit: $U_N \leq 32 \text{ V}$
 $I_N = 20 \text{ mA}$

Probe circuit: $U_o = 7.6 \text{ V}$
 $I_o = 26 \text{ mA}$
 $P_o = 150 \text{ mW}$
 $C_o = 280 \text{ nF}$
 $L_o = 1 \text{ mH}$

(16) **Report number** 16-Ex-0080.01

(17) **Specific conditions of use**
none

(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"