

Translation

EU-Type Examination Certificate

Equipment intended for use in potentially explosive atmospheres
Directive 2014/34/EU

EU-Type Examination Certificate Number: **BVS 17 ATEX E 022**

Product: **Plug-on Display type AUF-2000**

Manufacturer: **KOBOLD Messring GmbH**

Address: **Nordring 22-24, 65719 Hofheim/Ts., Germany**

This product and any acceptable variations thereto are specified in the appendix to this certificate and the documents referred to therein.

DEKRA EXAM GmbH, Notified Body number 0158, 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 the confidential Report No. BVS PP 17.2040 EU.

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012 + A11:2013 General requirements
EN 60079-11:2012 Intrinsic Safety "i"

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the appendix to this certificate.

This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

The marking of the product shall include the following:

 **II 2G Ex ib IIC T4 Gb**

DEKRA EXAM GmbH
Bochum, 2017-03-10

Signed: Dr Franz Eickhoff

Certifier

Signed: Dr Michael Wittler

Approver

13 **Appendix**
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15 **Product description**

15.1 **Subject and type**

Plug-on Display type AUF-2000

15.2 **Description**

The display device type AUF-2000 is used in intrinsically safe 4-20 mA circuits for the visualization of parameters.

The display device type AUF-2000 is inserted between the plug and the socket of a compatible 4-20 mA device.

15.3 **Parameters**

15.3.1 **Electrical data**

15.3.1.1 **I.S. circuit input connector (1 / 2 – plug)**

Maximum input voltage	U_i	30	V
Maximum input current	I_i	100	mA
Maximum input power	P_i	1.1	W
Maximum internal capacitance	C_i	negligible	
Maximum internal inductance	L_i	negligible	

15.3.1.2 **I.S. circuit output connector (1 / 2 – socket)**

Maximum output voltage	U_o	30	V
Maximum output current	I_o	100	mA
Maximum output power	P_o	1.1	W
Maximum external capacitance	C_o	depending on power supply	
Maximum external inductance	L_o	depending on power supply	

15.3.2 **Thermal Parameters**

Ambient temperature $-20\text{ °C} \leq T_{amb} \leq 40\text{ °C}$

16 **Report Number**

BVS PP 17.2040 EU, as of 2017-03-10

17 **Special Conditions for Use**

None

18 **Essential Health and Safety Requirements**

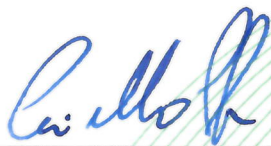
The Essential Health and Safety Requirements are covered by the standards listed under item 9.

19 **Drawings and Documents**


Drawings and documents are listed in the confidential report.

We confirm the correctness of the translation from the German original.
In the case of arbitration only the German wording shall be valid and binding.

DEKRA EXAM GmbH
Bochum, dated 2017-03-10
BVS-Scho/Rip/Nu A 20161103



Certifier



Approver