

**Meister Strömungstechnik GmbH  
Im Gewerbegebiet 2  
63831 Wiesen  
Germany**

## **EU-Declaration of Conformity**

**in accordance with EU-Directive 2014/34/EU**  
on equipment and protective systems intended for use  
in potentially explosive atmospheres

**We declare under sole responsibility, that the products listed below are in compliance with the requirements of EU-Directive 2014/34/EU and that these products are not stand alone devices, but are intended for installation as a part of a machine or system, whereby operation is prohibited until such time as it is ensured that the machine or system, in its entirety, is in compliance with the EU-Directives.**

### **Float-type Flowmeter, Series RVO/U-L1**

**The flowmeter is used for measuring and monitoring the continuous volume flow of gases and is suitable for use with explosion-proof limit contacts with the designation SEM-A and / or SEM-E (Type –examination PTB 03 ATEX 2154 X).  
A separate Declaration of Conformity exists for these contacts.**

**The float-type Flowmeters of the RVO/U-L1 series comply with the requirements of EU-Directive 2014/34/EU and are categorized as follows:**

#### **Interior of the Flowmeter:**

**Equipment-group II, category 2 G, for gases of gas group IIB, temperature classification T5, T6**

**Marking: Interior**  **II 2G Ex h IIB T5, T6 Gb**

#### **Exterior of the Flowmeter:**

**Equipment-group II, category 2 G or 2 D, for gases of gas group IIC or combustible dust IIIC, temperature classification T5, T6 or T100°C, T80°C**

**Marking: Exterior**  **II 2G Ex h IIC T5, T6 Gb**

 **II 2D Ex h IIIC T100°C, T80°C Db**

**During the conformity appraisal procedures, it was found that no effectual ignition source is existent, if the device is employed and operated as intended and in compliance with all requirements of the operating instructions for RVO/U-L1 module BASICS and RVO/U-L1 module ATEX. Meister Strömungstechnik GmbH therefore affixes the Ex-marking under its own responsibility.**

**Conformity of the described product with Directive 2014/34/EU is proven through full compliance with the following standards:**

**Harmonized European standards:**

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

**Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic method and requirements**

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

**Explosive atmospheres - Part 37: Non-electrical equipment for explosive atmospheres - Non-electrical type of protection constructional safety "c", control of ignition sources "b", liquid immersion "k"**

**EN 1127-1:2019**

**Explosive atmospheres - Explosion prevention and protection - Part 1: Basics concepts and methodology**

**Copies of the technical documentation for the conformity appraisal procedure are deposited at:**

**Bureau Veritas Consumer Products Services Germany GmbH**

**Businesspark A96, 86842 Türkheim, Germany**

**Identification number of notified body: 2004**

**Accession number: 11TH0271**

Place and date/  
.....

Wiesen, August 10, 2020

MASTERPIECES  
MADE IN GERMANY

Name and signature of authorized person  
.....



Simon Mill  
Managing Director