



## Declaration of Manufacture

Number: 149/99 EN  
page: 1/2

This electrical instrument was produced according to our lists, drawings and the customer's specifications as stated in our order confirmation. All requirements are fulfilled.

This declaration is valid for the electrical instrument:

### ***Mass flow meter type Sensyflow VT-S, order-number: 14222-1xxxxx1***

It is in accordance to the following European standards:

DIN EN 60079-14:1997 (VDE 0165 / part 1)  
IEC 60079-14:1996

According to chapter 5.2.3 c) the instrument fulfils the requirements for industrial used electrical apparatuses.

No sparks or arcs can be produced during trouble-free operation. The housing is made of aluminium with IP65 protection. The housing is grounded and the projectable surface is smaller than 100 cm<sup>2</sup>, and therefore an electrical dischargement may not be expected.

According to prEN50021:1996 chapter 13 the mass flow meter fulfils the requirements of low power instruments and can be tagged as following:

ABB Automation Products Sensycon Hartmann & Braun	Sensyflow VT-S
Eex nV II T4	
U <sub>max</sub> = 24 V AC/DC	
-20°C ≤ T <sub>m</sub> ≤ +25 °C	-20°C ≤ T <sub>u</sub> ≤ +25 °C
additional data according to manufacturer declaration 149/99 EN	

Please observe the advice on page 2

Alzenau, 10.12.1999

## Attachement to

### ***Declaration of manufacture 149/99 EN***

Regarding the following conditions the electrical instrument can be used in potentially explosive atmospheres according to

#### ***Zone 2, Group II***

The mass flow meter Sensyflow VT-S is used to measure the mass flow of gases. The possible classes of temperature are related to the allowable ambient temperatures  $T_u$  and the temperature of the medium  $T_m$

<b>Class of Temperature</b>	<b><math>T_m</math> (Medium)</b>	<b><math>T_u</math> (Ambient temperature)</b>
T2	-20...150°C	-20...60°C
T3	-20...70°C	-20...60°C
T4	-20...25°C	-20...60°C