

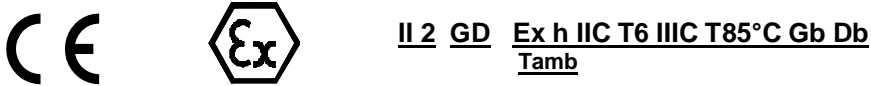
## ATEX additional information

These instructions and additional ATEX information round out the instruction manual

### 1- Characteristics of equipment

#### 1.1 - Marking and explanations

All your equipment have the following label with explanations according to 2014/34/EU. Below is a general explanation and specification of the intended type of protection.



**Marking of protection "Ex h"** (ex "c") = the equipment is structurally safe.; gas / dust group (IIC and IIIC); temperature class, max surface T, ambient temperature , and reference to EPL Gb-Db (equipment protection level)

**G**= Gases or vapors; **D** = dust

Equipment Group (II = equipment not to be used in mines). Category 2 = equipment with a high level of safety can be used in with probability of presence areas of explosive atmospheres **zone 1-2 and 21-22**.

Symbol of **ATEX equipment**

**CE marking symbol**

### 2- Warnings



Risk of explosion. Follow and understand the instructions to avoid severe damage to persons or things! These instructions are related to an appropriate use of the equipment according to own destination of use. Note: refer to the relevant specific instructions for accessory or other connected components

#### 2.1-Generality

The equipment does not have sources of ignition in normal and dysfunction of operating conditions if the following measures are adopted:

- Use of ATEX certified accessories suitable to defined ATEX area
- Adoption of these additional instructions
- Adoption of the measures already foreseen by the manufacturer

#### 2.2-Installation

The installation must be carried out taking care that the product does not create interference, the fluids are compatible and an adequate level of ventilation must be provided

#### 2.3-Temperature class

The surface temperature depends on the outside temperature and / or temperature generated. The solar radiation or from other sources of heat may cause an increase of the surface temperature. Make sure the temperature is not higher than that of the explosive atmosphere trigger, without prejudice to the safety margins provided by UNI EN 1127-1.

## ATEX additional information

**CAUTION** For use in areas with the presence of dust clouds T<sub>max</sub> of the surface must be 2/3 of the ignition temperature, while on the surfaces on which the layer may be deposited powders the maximum temperature must be less than 75K of the minimum ignition temperature of powder (UNI EN 1127-1) .As appropriate to provide adequate protections.

T class	Max surface temp. (°C)
T1	450
T2	300
T3	200
T4	135
T5	100
T6	85

### AMBIENT TEMPERATURE

The ambient temperature range for use of the ATEX equipment, for both gas and dust, is usually between -20°C and +40°C, unless specified otherwise.

For values different from the range -20°C / +40°C, the indication

must be specified directly on the plate or by reporting the symbol **X** on the plate and providing the temperature range in the instructions for use.

The following conditions are provided for:

Equipment plate	Conditions to be observed
No indication	-20°C ≤ T ambient ≤ + 40°C
Temperature range or X and temperature range specified in the instructions for use	minimum T ambient MINIMUM Ta declared
	maximum T ambient ≤ MAXIMUM Ta declared

NB The ambient temperature and the solar radiation or from other sources of heat may cause an increase of the surface temperature.

### 2.4-Electrical continuity

The user must take care to ensure continuity and grounding in accordance with applicable regulatory requirements.

### 2.5-Cleaning and Maintenance

The equipment and any equipment connected to it must be adequately stored, handled and maintained in order to prevent the material inlet and the dust deposition. The maintenance activities must be carried out by specialized personnel and as indicated by the manufacturer and comply with utensils as defined in Appendix A of the UNI EN 1127-1 or making sure that there is no presence of an explosive atmosphere. Do not make any changes (paint, etc.) to the products without the approval of the manufacturer

AIGNEP guarantees the products only when used in accordance with and according to the intended use specified by the manufacturer. If the customer does not communicate any additional requirements on contractual documents they are only satisfied the requirements expressed by the manufacturer catalog.