

PRODUCT NEWS

Products with ATEX EX-II-3-D certification

Ex is a specific marking for explosive protection equipment and it is used to show that equipment, protective systems or components comply with the requirements of the European standards that are harmonised with the 94/9/EC Directive (ATEX Directive, named after the French "ATmosphere EXplosible").

The ATEX Directive 94/9/EC became mandatory on the 1st July 2003 and replaced the three old Directives: 76/117/EEC, 79/196/EEC, 97/53/EEC and 83/130/EEC.

The products covered by the ATEX Directive are divided into different groups and categories according to the areas where they can be used.

The areas where the explosive atmospheres are present are divided into Zones, mainly based on how long and how frequently the explosive atmosphere is present.

The ATEX Directive is a CE Marking directive, which means that products marked with the Ex mark also have to be marked with the CE mark before they can be placed on the EU market.

The following table summarises the different categories, the Ex Zones as well as providing the area description.

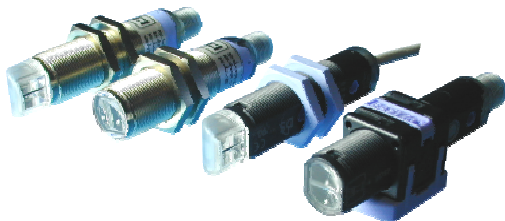
Category	Ex Zone	Description
1-G	Ex Zone 0	Constant presence of explosive gases
1-D	Ex Zone 20	Constant presence of explosive dusts
2-G	Ex Zone 1	Frequent presence of explosive gases
2-D	Ex Zone 21	Frequent presence of explosive dusts
3-G	Ex Zone 2	Occasional and brief presence of explosive gases
3-D	Ex Zone 22	Occasional and brief presence of explosive dusts

Products certified for the Ex-II-3-D category can be used in the Zone 22, that is in the occasional and brief presence of explosive dusts.

In general, all low-voltage powered products that respect certain technical specifications can be certified as category 3. However, a specific certification is also required according to the ATEX 94/9/EC Directive.

DATASENSOR has completed the **ATEX EX-II-3-D** certification for all the standard models of the following series:

S50	S51	S41	S7	LD μ	TL μ	SE	SF	DS1	DS2	DS3	S80	SCS
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NOTE: Ex marking is not always necessary, but is compulsory only in areas where the presence of explosive gases or dusts is possible.