



ATEX

ATEX Atmosphere Classification

ATEX is a term commonly used in potentially explosive atmospheres. An explosive atmosphere is defined as a mixture of flammable substances in the form of gas, vapour or dust which, if exposed to a source of ignition, can catch fire in the form of an explosion.

Since 2003 the European directive makes compulsory to use ATEX certified enclosures & equipment in potentially explosive areas. This is in line with the dangerous substances and explosive atmospheres regulations (DSEAR) 2002.



Labelling:

0163: Organisation ref number



Atex symbol according to directive

II: Equipment for differing mining facilities and hazardous areas

2: Product category

GD: Gas and dust

EX: Product is ATEX compliant

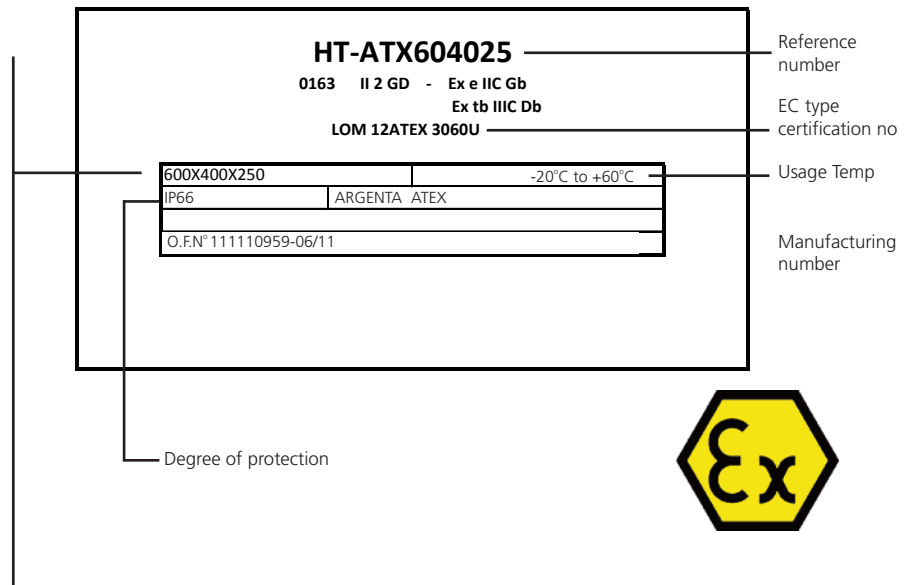
IIe: Gas type: Hydrogen and similar.

Gb/Db: Protection against dust and gas for non-electrical equipment 'Control of ignition sources'

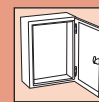
Tb: Type of protection 'Enclosure'

IIC: Powder type

'Conducting'



Application	Hazardous area category	Zones	Atmosphere
GROUP I MINING	M1 and M2	Gas & Dust (G and D)	G
		Zone 1: Gas, vapour and mist	D
GROUP II INDUSTRIAL (NON-MINING) MINING	1. Continuous for long periods 2. Ocasional 3. Short periods only	Zone 20: Dusts	G
		Zone 1: Gas, vapour and mist	D
		Zone 2: Gas, vapour and mist	G
		Zone 22: Dusts	D



HT ATEX

ATEX Mild Steel Wall Mounted Enclosures

Group 1 ATEX mild steel enclosures. Both internally and externally protected with texturized polyester epoxy resin RAL7035 grey paint.

Features and Benefits

- Designed for use in potentially hazardess atmospheres
- Comes complete with mounting plate and set of 4 wall brackets
- Continuously injected silicone gasket for installations where a high sealing degree is required
- Totally reversible cabinet
- Range of temperature under normal conditions: -25°C to +60°C
- Certified for use in gas Zones 1 and 2, and Zones 21 and 22 for dust
- IK10



Group 1 ATEX Enclosure.

TYPE	Height mm	Width mm	Depth mm	IP Rating	Pack Cont.	Article-No.
HTATX302015	300	200	150	IP66	1	1
HTATX303020	300	300	200	IP66	1	1
HTATX403020	400	300	200	IP66	1	1
HTATX404020	400	400	200	IP66	1	1
HTATX504020	500	400	200	IP66	1	1



Other sizes available on request



Stainless steel and GRP versions also available



The ATEX certification is a certification of the component. The final unit must also have an ATEX certificate and a declaration of conformity

