



Industry Tag (30mm)




FEATURES

- 30mm Industry Tag is ATEX approved and thus can be used in potentially explosive atmosphere.
- The tag with multi read/write capability is small in size with a centre hole and is made of ABS to meet all endurance requirements in terms of heat, harsh environments and chemical resistance.
- Perform in the harshest environments, including harsh chemicals, painting processes & outdoor exposure.
- Dust & Waterproof.
- Flexible Read/Write Range (reader dependant).
- Insensitive to almost all non metallic materials.

APPLICATIONS

- It has been widely used in supply chain, service industries, distribution logistics and manufacturing companies to identify goods & objects in an industrial environment.
- Can be used to read through obstructions, including plastics, concrete and more.
- Suitable for factory floor manufacturing applications because of rugged construction (IP Rating).

Chip Type:	HitagS 256 bit 125 KHz	
	256 bits, organized in 8 pages of 4 byte each	
	Data retention of 10 years	
	Write endurance 100.000 cycles	
Mechanical:	Outer Dia.	30mm
	Hole Dia.	4.2mm
	Thickness	2.7mm
	Material	ABS
	Colour	Blue
	Weight	2.4 g
	Antenna Type	Wire Antenna
Electrical:	Operating Frequency	125 KHz
	Operating mode	Passive (battery-less transponder)
Ingress Protection:	IP68	
Thermal:	Storage Temp.	-20°C to +70°C
	Operating Temp.	-20°C to +70°C
Part Number:	105N1-Ex	
Atex Marking details:	 II 1 G, Ex ia IIC T5 Ga	
Options:	Other IC type, Size, Shape & Colour on request	
	Available with other plastic material e.g. PC/ABS	

*Preliminary Data Sheet: Certain specification subject to change.