

EX EQUIPMENT INSPECTION CHECKLIST

Company: Your Company Name / Logo

Doc no: Rev:

Yellow cells: enter data. Grey cells: calculated automatically. Free template from instrumentationblog.in

Equipment			
Tag number		Equipment	
Location		Area classification	
Ex marking		Certificate no	
Inspection grade		Inspection type	
Inspection date		Next inspection due	

Inspection items			
No	Check item	Status	Remarks
1	Equipment protection level (EPL) suitable for the zone		
2	Equipment group (IIA, IIB, IIC or IIIA, IIIB, IIIC) suitable for the area		
3	Temperature class or maximum surface temperature suitable for the gas or dust		
4	Ex marking and certificate number legible and match the register		
5	Circuit identification and tag plate correct		
6	Enclosure, windows and seals free of damage, corrosion and cracks		
7	No unauthorised modifications or visible changes		
8	All bolts, screws and covers present and tight		
9	Cable entries: glands of the correct Ex type, size and tight		
10	Unused entries closed with certified stopping plugs		
11	Cables free of damage; armour and screens terminated correctly		
12	Earthing and equipotential bonding connections secure		
13	Ex d: flame path free of damage, corrosion and paint; no obstruction near flanges		
14	Ex e: terminals tight, no damaged insulation, correct number of conductors per terminal		
15	Ex i: barriers or isolators of the correct type; IS cables identified and segregated		
16	No dust build up or water ingress inside or on the equipment		
17	Lamps, fans or heaters of the correct type and rating (where fitted)		
18	Protection settings (overload, motor tE time) correct (where fitted)		
Items not OK			0
Equipment result			

Next inspection due assumes a 36 month interval; set your own interval from the site inspection strategy. Detailed inspections may need the equipment isolated and opened by a competent person.

Inspected by (competent person)	Reviewed by	Approved by
Name:	Name:	Name:
Signature:	Signature:	Signature:
Date:	Date:	Date: