

GPS Actuator

By Bernard Controls

The best way to find your electric actuation solution



Cx : Corrosion standard

In addition to weatherproofness level which determines actuator enclosure protection, corrosion level specifies painting type of the actuator. Corrosion level is defined in ISO12944-2 standard and goes from C2 (weak) to C4 (high) and C5 (very high, either C5-I for Industrial areas with high humidity and aggressive atmospheres or C5-M for marine/coastal areas with high salinity).

Environmental corrosion categories

Corrosion category	Typical environments	
	Exterior	Interior
C2 (low)	Atmospheres with low level of pollution. Mostly rural areas.	Unheated buildings where condensation may occur, e.g. depots, sport halls.

C3 (medium)	Urban and industrial atmospheres, moderate sulphur dioxide pollution. Coastal areas with low salinity.	Production rooms with high humidity and some air pollution, e.g. food-processing plants, laundries, breweries.
C4 (high)	Industrial areas and coastal areas with moderate salinity.	Chemical plants, swimming pools, coastal shipyards.
C5-I (very high - industrial)	Industrial areas with high humidity and aggressive atmosphere.	Buildings or areas with almost permanent condensation and with high pollution.
C5-M (very high-marine)	Coastal and offshore areas with high salinity.	Buildings or areas with almost permanent condensation and with high pollution.