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

<table>
<thead>
<tr>
<th>Corrosion category</th>
<th>Typical environments</th>
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<tbody>
<tr>
<td>C2 (low)</td>
<td>Atmospheres with low level of pollution. Mostly rural areas.</td>
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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.