GPS Actuator

By Bernard Controls

The best way to find your electric actuation solution

- Resolution
  - The resolution is the smallest achievable step at the output shaft of the electric actuator.
  - This is the most important performance criterion to ensure efficient modulating since it refers to the ability of the actuator to promptly operate the valve by little steps.
  - Practically, if we have a minimum output change - resolution - equals to 2%, then:
    - 2% means 2% of the total travel of the valve.
    - Therefore, a resolution of 2% allows the actuator to reach 50 steps along the total travel. Similarly a resolution of 1% would allow the actuator to reach 100 steps along the total travel.
    - For a Quarter-turn actuator: 2% of 90° = 1.8° (minimum output change would be a rotation of 1.8°)