**SENSOR SENSITIVITY AND SELECTIVITY WITH AN EXAMPLE**

**SENSOR SENSITIVITY:** It is the ability to pick up the signals with interferences. It can be simply defined as,

Sensitivity=change in the sensor’s output/change in the measurand’s input

**EXAMPLE**: In toilets, if a gas sensor is placed, it detects all kinds of toxic gases. This is related to Sensor Sensitivity.

**SENSOR SELECTIVITY:** It is the ability to filter out the interferences and acquire particularly the required signal.

**EXAMPLE:** Here, if an ammonia sensor is placed in toilets, it particularly detects the ammonia present over there.