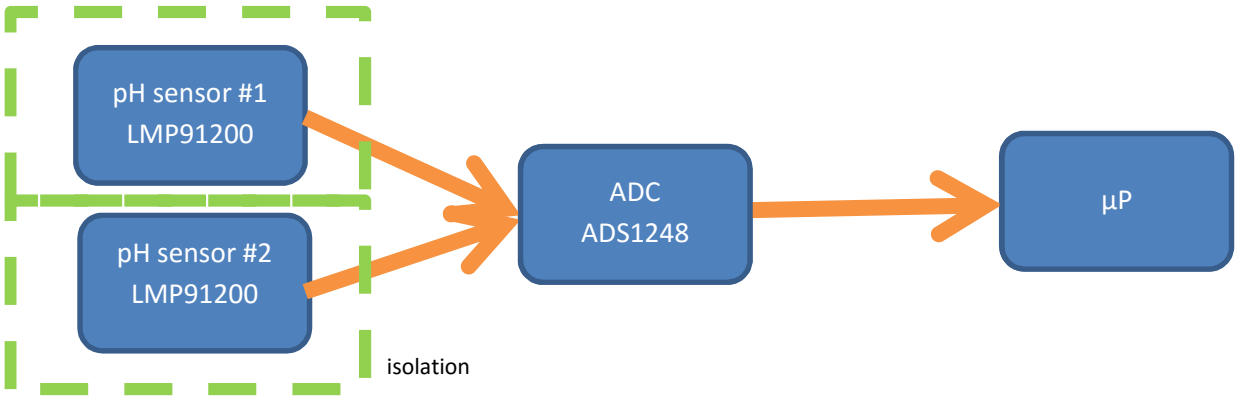
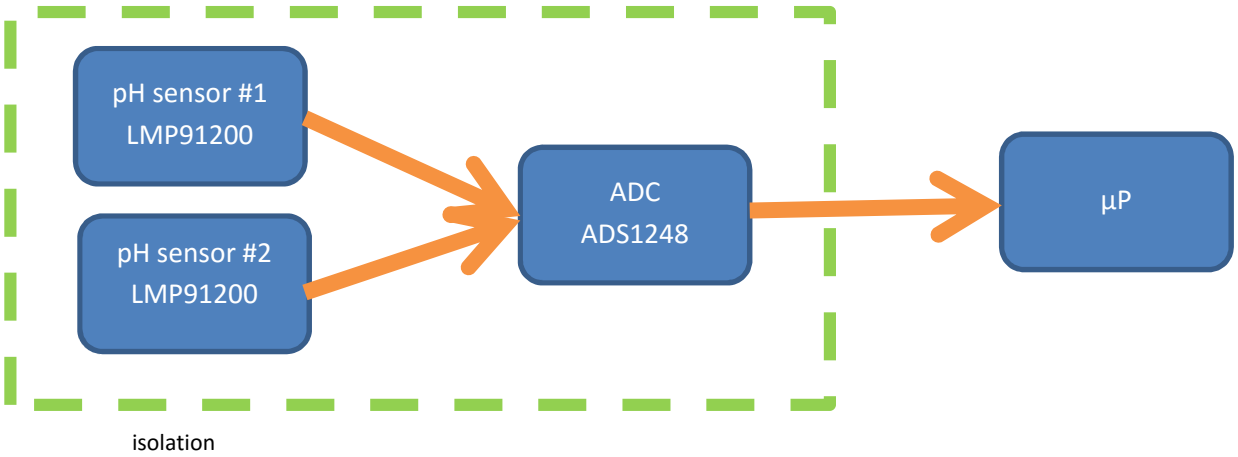


Approach #1



Approach #2