Project Sensors

Unit test plan

Module: sensors\_main

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| **Id** | **Description** | **Target(s)** | **Precondition(s)** | **Input(s)** | **Expected outcome(s)**  **(postcondition)** |
| **TC1** | Correct limits | Function check\_limits | None | limits == [18, 22] | Function returns True |
| **TC2** | Incorrect limits | Function check\_limits | None | limits == [22, 18] | Function returns False |
| **TC3** | Incorrect limits | Function check\_limits | None | limits == [18, 18] | Function returns False |
| **TC4** | Correct limits range | Function check\_limitsrange | Limits are bigger than zero and the Function check\_limits returns True | lower limit = 12 and higher limit = 55 | Function returns True |
| **TC5** | InCorrect lower limit range | Function check\_limitsrange | Limits are bigger than zero and the Function check\_limits returns True | lower limit = 1 and higher limit 55 | Function returns False |
| **TC6** | InCorrect upper limit range | Function check\_limitsrange | Limits are bigger than zero and the Function check\_limits returns True | lower limit = 12 and higher limit = 66 | Function returns False |