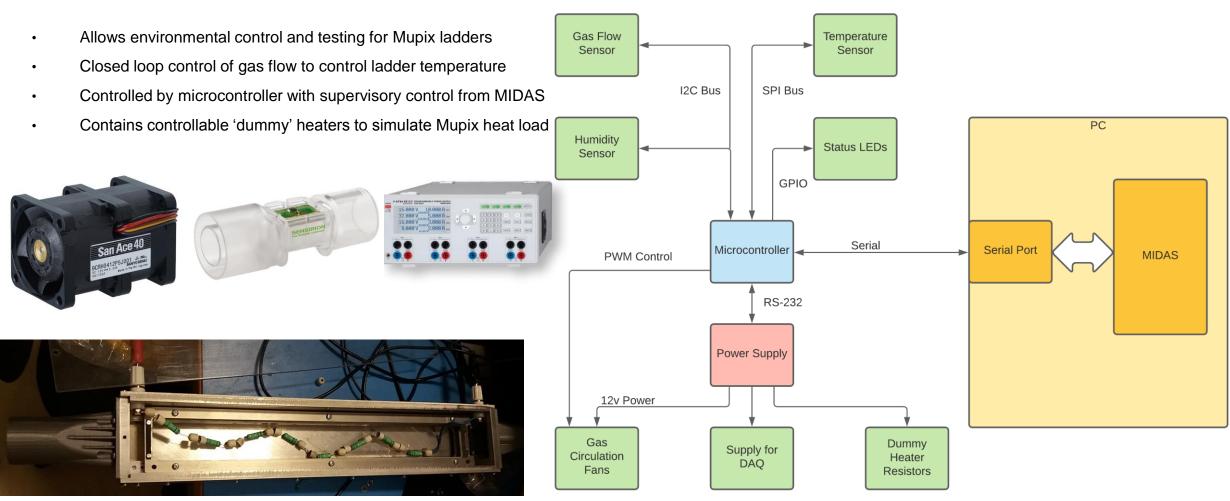


Mu3e Test Stand



bristol.ac.uk



Mu3e Test Stand

Miminal complexity interface with MIDAS:

e.g:

Commands:

? help - lists commands

v human readable verbose output

m machine readable output

s new setpoint e.g. s15 or s50

r run - starts closed loop control

x stop - stops control loop and turns off fan

f return flow measurement

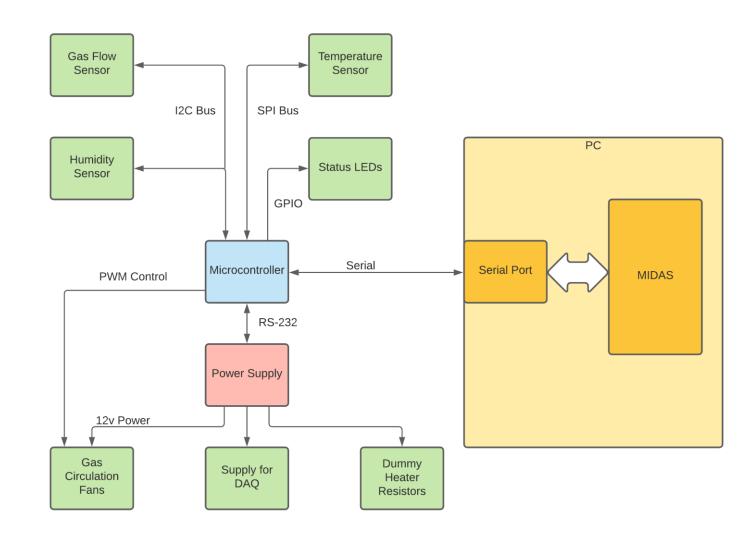
return temperature measurement

h return humidity measurement

b broadcast measurements

n no broadcasting of measurements

d display all measurements





Mu3e Test Stand

- · Hardware is all working
- To-do:
 - Integrate sensors into test box
 - Integrate Si heaters into test box
 - Freeze H/W requirements and create PCB
 - Increase ruggedness of microcontroller software
 - Error checking open circuits, comms failure etc
 - Bounding of parameters
 - Verifying of PSU outputs
 - Add features
 - Support for DAQ power
 - Tacho feedback from fan
 - Integrate Front-End Board

