v6 Sensors Board

v6 board was unstable

Code

https://github.com/liutyi/arduino-humidity-sensors-test/blob/v6/arduino-humidity-sensors-test.ino

Key feature.

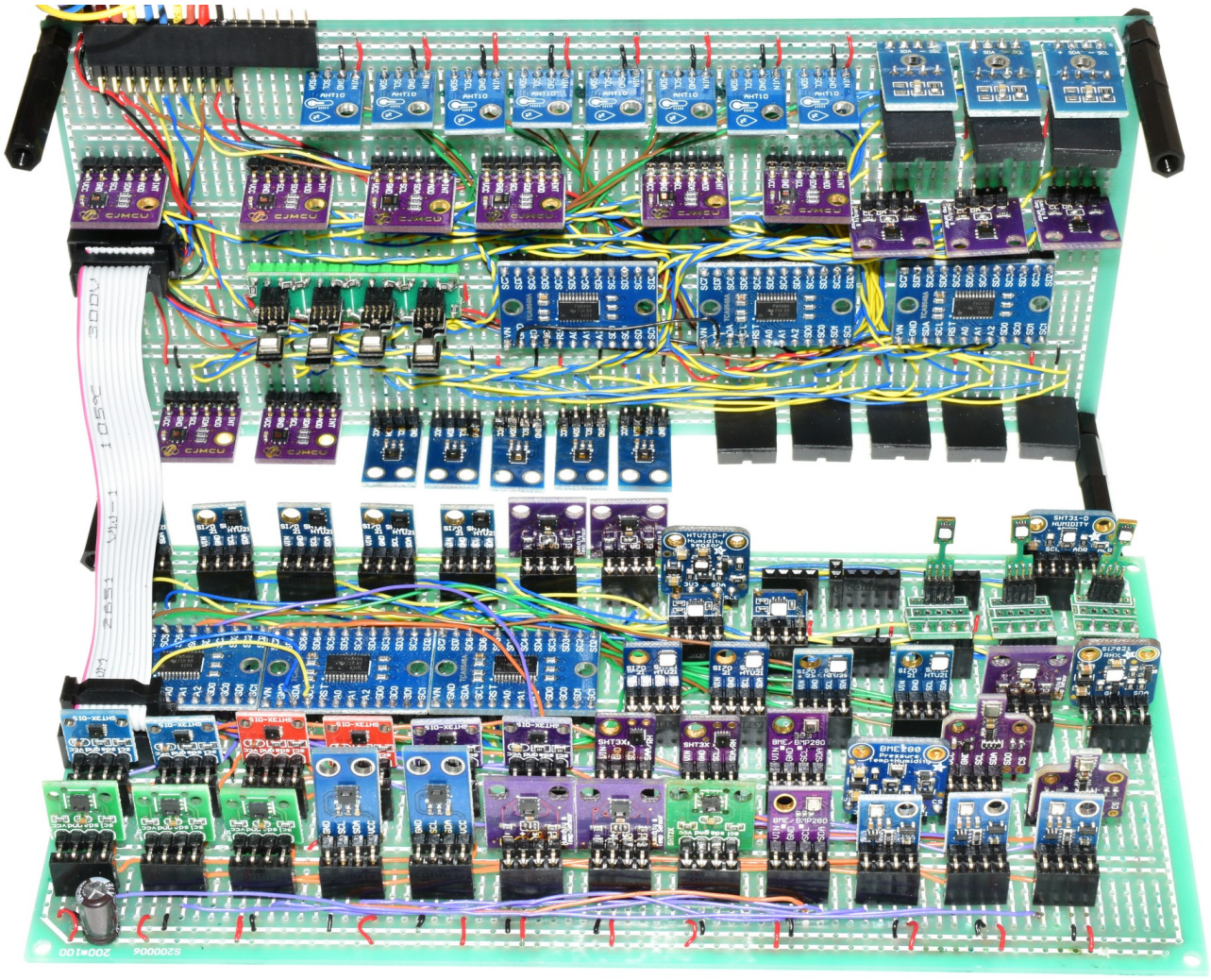
- 84 sensors
- Unstable for the moment
- 16 new 3.3v sensors modules AOSONG AHT15 (8) and CJMCU HDC2080 (8) added
- Last (6th) multiplexer wired for new sensors (AHT15 and HDC2080 share i2c bus)
- 3 column added to the screen to see all sensors (no space for a minus sign for now)

Tests

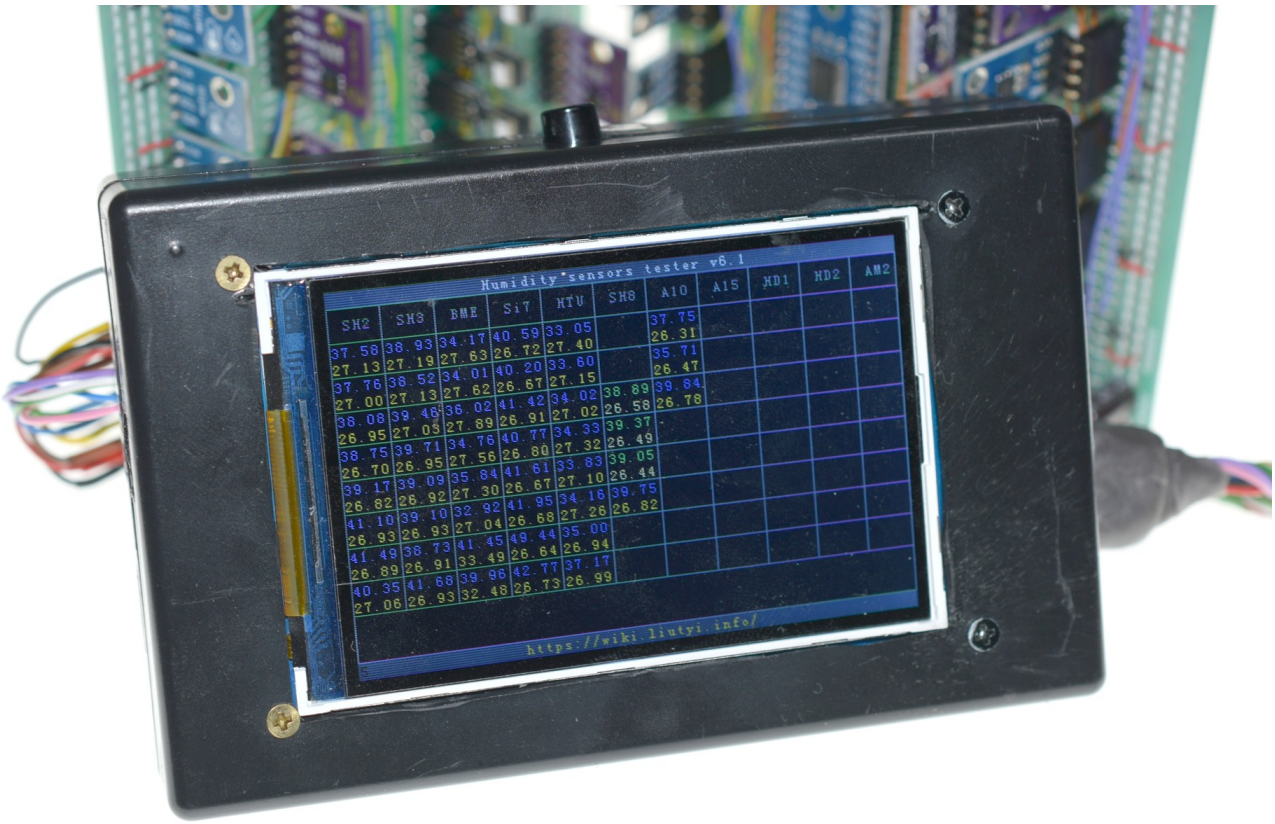
- Test 0 v6 room RH35 with fan unstable board
- Test 1 v6 balcony RH47-RH50
- Test 2 v6 balcony RH30
- Test 3 v6 Humidity absorber
- Test 4 v6 Saturated NaCl solution
- Test 5 v6 above water
- Test 6 v6 Freezer
- Test X v6 Template

v6 Hardware

Board



Main Unit


Humidity*sensors tester v0.1
SH2 SH3 BME Si7 HTU SH8 A10 A15 MD1 MD2 AM2
37.58 38.93 34.17 40.59 33.05 37.75
27.13 27.19 27.63 26.72 27.40 26.31
37.76 38.52 34.01 40.20 33.60 35.71
27.00 27.13 27.62 26.67 27.15 26.47
38.08 39.46 36.02 41.42 34.02 38.89 39.84
26.95 27.05 27.89 26.91 27.02 26.58 26.78
38.75 39.71 34.76 40.77 34.33 39.37
26.70 26.95 27.56 26.80 27.32 26.49
39.17 39.09 35.84 41.61 33.83 39.05
26.82 26.92 27.30 26.67 27.10 26.44
41.10 39.10 32.92 41.95 34.16 39.75
26.93 26.93 27.04 26.68 27.26 26.82
41.49 38.73 41.45 49.44 35.00
26.89 26.91 33.49 26.64 26.94
40.35 41.68 39.96 42.77 37.17
27.06 26.93 32.48 26.73 26.99
https://wiki.liutyi.info/