

# v5 board no timeout code test

<https://github.com/liutyi/arduino-humidity-sensors-test/issues/1>  
<https://github.com/liutyi/arduino-humidity-sensors-test/commit/55da8713e90f21e7c816ae45ad2fa514e7124a7e#diff-92f9ff6dd9a871c9f167f4ec79596466>

## Board disconnected screen

code with timeouts

| Humidity sensors tester v5.1 |      |      |      |      |      |      |      |
|------------------------------|------|------|------|------|------|------|------|
| SH2                          | SH3  | BME  | Si7  | HTU  | SH8  | AHT  | HDC  |
| 0.00                         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00                         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00                         | 0.00 | 0.00 | 0.00 | 0.00 |      | 0.00 | 0.00 |
| 0.00                         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00                         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00                         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00                         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00                         | 0.00 | 0.00 | 0.00 | 0.00 |      | 0.00 | 0.00 |
| 0.00                         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| https://wiki.liutyi.info/    |      |      |      |      |      |      |      |

timeouts removed

| Humidity sensors tester v5.5                                      |        |       |        |        |          |        |        |
|-------------------------------------------------------------------|--------|-------|--------|--------|----------|--------|--------|
| SH2                                                               | SH3    | BME   | S17    | HTU    | SH8      | AHT    | HDC    |
| 118.99                                                            | 100.00 | -1.29 | 118.99 | 118.99 | 8553.50  | 100.00 | 99.99  |
| 128.86                                                            | 130.00 | 0.00  | 128.86 | 128.86 | -3276.70 | 50.00  | 124.99 |
| 118.99                                                            | 100.00 | -1.29 | 118.99 | 118.99 |          | 100.00 | 99.99  |
| 128.86                                                            | 130.00 | 0.00  | 128.86 | 128.86 |          | 150.00 | 124.99 |
| 118.99                                                            | 100.00 | -1.29 | 118.99 | 118.99 | 100.00   | 100.00 | 99.99  |
| 128.86                                                            | 130.00 | 0.00  | 128.86 | 128.86 | 130.00   | 150.00 | 124.99 |
| 118.99                                                            | 100.00 | -1.29 | 118.99 | 118.99 | 100.00   | 100.00 | 99.99  |
| 128.86                                                            | 130.00 | 0.00  | 128.86 | 128.86 | 130.00   | 150.00 | 124.99 |
| 118.99                                                            | 100.00 | -1.29 | 118.99 | 118.99 | 100.00   | 100.00 | 99.99  |
| 128.86                                                            | 130.00 | 0.00  | 128.86 | 128.86 | 130.00   | 150.00 | 124.99 |
| 118.99                                                            | 100.00 | -1.29 | 118.99 | 118.99 | 100.00   | 100.00 | 99.99  |
| 128.86                                                            | 130.00 | 0.00  | 128.86 | 128.86 | 130.00   | 150.00 | 124.99 |
| 118.99                                                            | 100.00 | 0.23  | 118.99 | 118.99 |          | 100.00 | 99.99  |
| 128.86                                                            | 130.00 | 0.00  | 128.86 | 128.86 |          | 150.00 | 124.99 |
| 118.99                                                            | 100.00 | 0.23  | 118.99 | 118.99 | 8553.50  | 100.00 | 99.99  |
| 128.86                                                            | 130.00 | 0.00  | 128.86 | 128.86 | -3276.70 | 50.00  | 124.99 |
| <a href="https://wiki.liutyi.info/">https://wiki.liutyi.info/</a> |        |       |        |        |          |        |        |

Board connected screen

code with timeouts

work relatively slow

| Humidity sensors tester v5.1                                      |                |                |                |                |                |                |                |
|-------------------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| SH2                                                               | SH3            | BME            | Si7            | HTU            | SH8            | AHT            | HDC            |
| 53.23<br>21.01                                                    | 53.99<br>21.09 | 48.89<br>21.60 | 53.62<br>20.48 | 50.58<br>21.13 | 53.60<br>20.80 | 52.92<br>20.20 | 61.87<br>20.66 |
| 53.46<br>20.89                                                    | 53.80<br>21.01 | 49.36<br>21.23 | 52.96<br>20.47 | 51.23<br>20.87 |                | 50.17<br>20.47 | 60.14<br>20.84 |
| 53.95<br>20.90                                                    | 55.00<br>20.91 | 51.08<br>21.80 | 53.91<br>20.70 | 51.46<br>20.79 | 54.14<br>20.62 | 55.71<br>20.45 | 61.44<br>20.84 |
| 54.52<br>20.79                                                    | 55.19<br>20.89 | 50.04<br>21.39 | 52.84<br>20.62 | 51.70<br>21.09 | 54.78<br>20.50 | 56.68<br>20.03 | 64.25<br>20.84 |
| 54.81<br>20.88                                                    | 55.04<br>20.86 | 51.10<br>21.10 | 55.01<br>20.50 | 51.24<br>20.83 | 54.60<br>20.49 | 52.80<br>20.27 | 65.52<br>20.72 |
| 53.18<br>20.91                                                    | 54.96<br>20.79 | 48.01<br>20.97 | 55.66<br>20.58 | 50.88<br>20.95 | 54.35<br>20.72 | 55.89<br>20.31 | 63.51<br>20.80 |
| 53.44<br>20.79                                                    | 54.79<br>20.77 | 54.64<br>20.76 | 62.64<br>20.50 | 51.53<br>20.66 |                | 51.95<br>20.55 | 64.95<br>20.79 |
| 58.03<br>20.96                                                    | 57.07<br>20.77 | 52.59<br>21.01 | 55.32<br>20.64 | 54.29<br>20.78 | 55.20<br>20.70 | 53.84<br>20.25 | 64.54<br>20.72 |
| <a href="https://wiki.liutyi.info/">https://wiki.liutyi.info/</a> |                |                |                |                |                |                |                |

timeouts removed

work faster

# Humidity sensors tester v5.5

| SH2            | SH3            | BME            | S17            | HTU            | SH8            | AHT            | HDC            |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 56.93<br>19.72 | 57.92<br>19.69 | 52.02<br>20.47 | 57.33<br>19.22 | 54.65<br>19.81 | 57.40<br>19.60 | 57.10<br>18.90 | 65.64<br>19.45 |
| 57.15<br>19.62 | 57.94<br>19.62 | 52.82<br>20.05 | 56.59<br>19.25 | 55.42<br>19.55 |                | 54.20<br>19.19 | 63.90<br>19.65 |
| 57.53<br>19.66 | 59.03<br>19.55 | 54.64<br>20.67 | 57.60<br>19.43 | 55.62<br>19.46 | 58.36<br>19.39 | 60.01<br>19.11 | 65.20<br>19.70 |
| 58.09<br>19.55 | 59.17<br>19.55 | 53.73<br>20.20 | 56.32<br>19.37 | 55.87<br>19.77 | 58.85<br>19.33 | 61.01<br>18.72 | 68.62<br>19.57 |
| 58.34<br>19.65 | 59.01<br>19.55 | 55.05<br>19.83 | 58.71<br>19.26 | 55.47<br>19.51 | 58.50<br>19.29 | 58.98<br>18.98 | 69.72<br>19.45 |
| 55.71<br>19.68 | 58.91<br>19.49 | 51.71<br>19.75 | 59.39<br>19.35 | 55.03<br>19.66 | 58.10<br>19.53 | 60.40<br>19.03 | 67.91<br>19.53 |
| 55.84<br>19.58 | 58.74<br>19.48 | 58.20<br>19.54 | 66.21<br>19.33 | 55.42<br>19.40 |                | 55.82<br>19.32 | 69.42<br>19.53 |
| 59.57<br>19.76 | 60.76<br>19.52 | 55.83<br>19.84 | 58.76<br>19.48 | 58.35<br>19.53 | 58.40<br>19.50 | 58.15<br>19.00 | 68.82<br>19.49 |

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