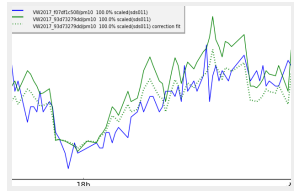# Summary of correlations of sensor kits and sensor modules

Sensorkits: VW2017_f07df1c508 VW2017_93d73279dd
Report generated on: Tue Dec 19 11:12:25 CET 2017

R-square and statistical summary
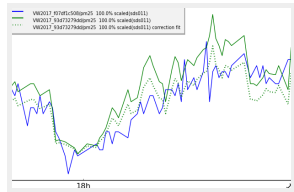
Measurement PM10 correlation key values

Correlation 1 - **PM10** - kit VW2017_f07df1c508 sensor type **SDS011** with kit VW2017_93d73279dd sensor type **SDS011**:

nr samples 71, min= 2.03, max= 4.65
avg= 3.33, std dev= 0.60
R-squared:
0.6304

Best fit polynomial coefficients:
[6.046e-01, 7.324e-01]

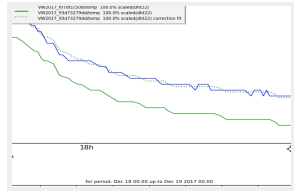### Measurement PM2.5 correlation key values

Correlation 2 - **PM2.5** - kit VW2017_f07df1c508 sensor type **SDS011** with kit VW2017_93d73279dd sensor type **SDS011**:

nr samples 71, min= 1.93, max= 4.25
avg= 3.08, std dev= 0.53
R-squared:
0.6991

Best fit polynomial coefficients:
[4.450e-01, 7.717e-01]

Measurement TEMP correlation key values

Correlation 3 - **TEMP** - kit VW2017_f07df1c508 sensor type **DHT22** with kit VW2017_93d73279dd sensor type **DHT22**:

nr samples 70, min=22.80, max=24.30
avg=23.31, std dev= 0.47
R-squared:
0.9885

Best fit polynomial coefficients:
[1.921e+00, 9.366e-01]

Measurement RH correlation key values

Correlation 4 - **RH** - kit VW2017_f07df1c508 sensor type **DHT22** with kit VW2017_93d73279dd sensor type **DHT22**:

nr samples 69, min=29.65, max=31.73
avg=30.57, std dev= 0.44
R-squared:
0.9169

Best fit polynomial coefficients:
[6.601e+00, 7.601e-01]