SynAir City

Humidity Sensor Specifications

Relative humidity measurement range	0 – 100%
Accuracy	±3%
Repeatability	0.1%

Temperature Sensor Specifications

Temperature measurement range	-40 °C - 70 °C
Accuracy	± (0.4 °C + 0.023 x (T [°C] - 25°C))
Repeatability	0.1 C

Barometric Pressure Sensor Specifications

Measurement range	50 – 110 kPa
Accuracy	±0.05 kPa

CO_2 Sensor Specifications

CO_2 Measurement range	0 - 40'000 ppm
Accuracy	± (30 ppm + 3%) (25 °C, 400 - 10'000 ppm)
Repeatability	10 ppm

Particulate Matter Sensor Specifications

Mass concentration range	0 - 1000 µg/m3
Mass concentration accuracy for PM1 and PM2.5	±10 µg/m3
Mass concentration accuracy for PM4 and PM10	±25 µg/m3

Volatile Organic Compound Sensor Specifications

Total VOC	Detection
NO2	Detection
CO	Detection
Ethanol	Detection