

Configuration Data

The configurations for the Modified Fuzzy Pattern Classifier used for the sensors were set as follows:

Sensor Name	\bar{x}	C	D
Temp_Inside_0	20.5	2.5	2
Temp_Inside_1	22.3	7.1	2
Temp_Inside_2	19.9	1.4	2
Temp_Inside_3	20.7	3	2
Temp_Inside_4	21.4	5.4	2
Temp_Inside_5	20.8	3.9	2
Temp_Inside_6	21.4	5	2
Temp_Inside_7	20.6	2.8	2
Temp_Inside_8	21.6	5.3	2
Temp_Inside_9	19.8	1.3	2
Temp_Ventilation_Out	20.4	2.6	2
Temp_Ventilation_In	22.6	7.6	2
Temp_Outside_0	20.9	4	2
Temp_Outside_1	21.2	4	2
Gas_Ventilation_Out	43.6	1.5	2
Smoke_Inside_0	1	0.25	2
Smoke_Inside_1	1	0.25	2
Smoke_Ventilation_Out	1	0.25	2
Smoke_Ventilation_In	1	0.25	2
Leakage_0	1	0.25	2
Leakage_1	1	0.25	2
Pressure_Ventilation_Out	1	0.25	2

The maximum measurement error for the computation of the upper and lower bound of the pdf was set to $\pm 2\%$ for all sensor measurements.