



Alphasense A4 (3-way + PID) Air Quality Sensor Module

Customer	Uni Degli Studi di Padova
Order No	
Zero Cal Date	04-12-2019
AFE Serial No	23-000071
Test Voltage	

AFE Type	810-0020
Circuit Type	03

Circuit Type	SN1	SN2	SN3
Type 00	NO2/O3	NO2/O3	CO/SO2/H2S
Type 01	NO2/O3	NO2/O3	NO
Type 02	NO2/O3	CO/SO2/H2S	CO/SO2/H2S
Type 03	NO2/O3	CO/SO2/H2S	NO
Type 04	CO/SO2/H2S	CO/SO2/H2S	CO/SO2/H2S
Custom			

Sensor Type
Serial Number

SN1	SN2	SN3	PID
NO2-A43F	CO-A4	NO-A4	
212890331	132420228	130020032	

Create CSV file

Working Electronic Offset, WE_e (mV)
WE Sensor Zero, WE_o (mV)* or PID*
Total WE Zero offset, WE_T (mV)
AE Electronic Offset, AE_e (mV)
AE Sensor Zero, AE_o (mV)
Total AE Zero Offset, AE_T (mV)

295	272	271	
-6	-6	16	
289	266	287	
304	272	277	
2	-4	13	
306	268	290	

Print sheet

Sensitivity (nA/ppb)
Sensitivity NO2 (nA/ppb)
PCB Gain (mV/nA)
Sensitivity (mV/ppb)
Sensitivity NO2 (mV/ppb)

-0.280	0.325	0.495	
-0.280	"	"	
-0.73	0.80	0.80	
0.204	0.260	0.396	
0.204	#VALUE!	#VALUE!	

Clear sheet

* at 101 kPa 23(±2)°C, 40(±15) %RH

*PID sensor zero in zero air, sensitivity in isobutylene

**Alphasense A4 (3-way + PID) Air Quality Sensor Module**

Customer	Uni Degli Studi di Padova
Order No	
Zero Cal Date	04-12-2019
AFE Serial No	23-000072
Test Voltage	
AFE Type	810-0020
Circuit Type	03

Circuit Type	SN1	SN2	SN3
Type 00	NO2/O3	NO2/O3	CO/SO2/H2S
Type 01	NO2/O3	NO2/O3	NO
Type 02	NO2/O3	CO/SO2/H2S	CO/SO2/H2S
Type 03	NO2/O3	CO/SO2/H2S	NO
Type 04	CO/SO2/H2S	CO/SO2/H2S	CO/SO2/H2S
Custom			

Sensor Type
Serial Number

SN1	SN2	SN3	PID
NO2-A43F	CO-A4	NO-A4	
212890332	132420229	130020033	

Create CSV file

Working Electronic Offset, WE_e (mV)
WE Sensor Zero, WE_o (mV)* or PID[#]
Total WE Zero offset, WE_T (mV)
AE Electronic Offset, AE_e (mV)
AE Sensor Zero, AE_o (mV)
Total AE Zero Offset, AE_T (mV)

300	272	260	
-6	-5	30	
294	267	290	
305	258	268	
-3	-7	28	
302	251	296	

Print sheet

Sensitivity (nA/ppb)
Sensitivity NO2 (nA/ppb)
PCB Gain (mV/nA)
Sensitivity (mV/ppb)
Sensitivity NO2 (mV/ppb)

-0.299	0.315	0.461	
-0.299	"	"	
-0.73	0.80	0.80	
0.218	0.252	0.369	
0.218	#VALUE!	#VALUE!	

Clear sheet

* at 101 kPa 23(±2)°C, 40(±15) %RH

[#]PID sensor zero in zero air, sensitivity in isobutylene