

# Product List

## ES1-Easy Gas Sensor

### Solid Polymer Technology

Item	Gas	Part Number	Range	Maximum Overload	Lower Detectable Limit(LDL)	Resolution	Sensitivity	T50	T90
1	All Gas/VOC	01-ES1-AG1-200-01	200ppm	1000ppm	≤2ppm	0.1ppm(16Bit ADC)	55±15nA/ppm	<10s	<30s
2	All Gas/VOC	01-ES1-AG1-1000-01	1000ppm	1000ppm	≤2ppm	0.1ppm(16Bit ADC)	55±15nA/ppm	<10s	<30s
3	All Gas/VOC	01-ES1-AG1-2000-01	2000ppm	5000ppm	≤4ppm	0.1ppm(16Bit ADC)	25±10nA/ppm	<10s	<30s
4	CO	01-ES1-CO-100-01	100ppm	2000ppm	≤2ppm	0.1ppm(16Bit ADC)	25±10nA/ppm	<10s	<30s
5	CO	01-ES1-CO-1000-01	1000ppm	2000ppm	≤2ppm	0.1ppm(16Bit ADC)	25±10nA/ppm	<10s	<30s
6	CO	01-ES1-CO-10000-01	10000ppm	30000ppm	≤10ppm	1ppm(16Bit ADC)	10±3nA/ppm	<10s	<30s
7	H2	01-ES1-H2-1000-01	1000ppm	2000ppm	≤2ppm	0.1ppm(16Bit ADC)	11±3nA/ppm	<10s	<30s
8	H2	01-ES1-H2-20000-01	20000ppm	40000ppm	≤10ppm	1ppm(16Bit ADC)	3±2nA/ppm	<10s	<30s
9	H2S	01-ES1-H2S-100-01	100ppm	200ppm	≤1ppm	0.1ppm(16Bit ADC)	90±20nA/ppm	<10s	<30s
10	H2S	01-ES1-H2S-500-01	500ppm	1000ppm	≤2ppm	0.1ppm(16Bit ADC)	90±20nA/ppm	<10s	<30s
11	H2S	01-ES1-H2S-5000-01	5000ppm	10000ppm	≤5ppm	1ppm(16Bit ADC)	10±3nA/ppm	<10s	<30s
12	NO2	01-ES1-NO2-50-01	50ppm	500ppm	≤1ppm	0.1ppm(16Bit ADC)	-20±10nA/ppm	<10s	<30s
13	NO2	01-ES1-NO2-100-01	100ppm	500ppm	≤1ppm	0.1ppm(16Bit ADC)	-20±10nA/ppm	<10s	<30s
14	NO2	01-ES1-NO2-1000-01	1000ppm	5000ppm	≤2ppm	0.1ppm(16Bit ADC)	10±3nA/ppm	<10s	<30s
15	O2 (Bias voltage)	01-ES1-O2-25%-01	25%vol	30%vol	≤0.5%vol	0.1%vol(16Bit ADC)	0.2±0.03nA/ppm	<5s	<10s

## ES4-Easy Gas Sensor

### Solid Polymer Technology

Item	Gas	Part Number	Range	Maximum Overload	Lower Detectable Limit(LDL)	Resolution	Sensitivity	T50	T90
16	All Gas/VOC	01-ES4-AG1-200-01	200ppm	1000ppm	≤2ppm	0.1ppm(16Bit ADC)	55±15nA/ppm	<10s	<30s
17	All Gas/VOC	01-ES4-AG1-1000-01	1000ppm	2000ppm	≤2ppm	0.1ppm(16Bit ADC)	55±15nA/ppm	<10s	<30s
18	All Gas/VOC	01-ES4-AG1-2000-01	2000ppm	5000ppm	≤2ppm	0.1ppm(16Bit ADC)	25±10nA/ppm	<10s	<30s

19	CO	01-ES4-CO-100-01	100ppm	2000ppm	≤2ppm	0.1ppm(16Bit ADC)	25±10nA/ppm	<10s	<30s
20	CO	01-ES4-CO-1000-01	1000ppm	2000ppm	≤2ppm	0.1ppm(16Bit ADC)	25±10nA/ppm	<10s	<30s
21	CO	01-ES4-CO-10000-01	10000ppm	30000ppm	≤10ppm	1ppm(16Bit ADC)	10±3nA/ppm	<10s	<30s
22	H2	01-ES4-H2-1000-01	1000ppm	2000ppm	≤2ppm	0.1ppm(16Bit ADC)	11±3nA/ppm	<10s	<30s
23	H2	01-ES4-H2-20000-01	20000ppm	40000ppm	≤10ppm	1ppm(16Bit ADC)	3±2nA/ppm	<10s	<30s
24	H2S	01-ES4-H2S-100-01	100ppm	200ppm	≤1ppm	0.1ppm(16Bit ADC)	90±20nA/ppm	<10s	<30s
25	H2S	01-ES4-H2S-500-01	500ppm	1000ppm	≤2ppm	0.1ppm(16Bit ADC)	90±20nA/ppm	<10s	<30s
26	H2S	01-ES4-H2S-5000-01	5000ppm	10000ppm	≤5ppm	1ppm(16Bit ADC)	10±3nA/ppm	<10s	<30s
27	NO2	01-ES4-NO2-50-01	50ppm	500ppm	≤1ppm	0.1ppm(16Bit ADC)	20±10nA/ppm	<10s	<30s
28	NO2	01-ES4-NO2-100-01	100ppm	500ppm	≤1ppm	0.1ppm(16Bit ADC)	20±10nA/ppm	<10s	<30s
29	NO2	01-ES4-NO2-1000-01	1000ppm	5000ppm	≤2ppm	0.1ppm(16Bit ADC)	10±3nA/ppm	<10s	<30s
30	O2 (Bias voltage)	01-ES4-O2-25%-01	25%vol	30%vol	≤0.5%vol	0,1%vol(16Bit ADC)	0.2±0.03nA/ppm	<5s	<10s

## EC4-Easy Classic Gas Sensor

### Double Sealed 3-Electrode Electrochemical Technology

Item	Gas	Part Number	Range	Maximum Overload	Lower Detectable Limit(LDL)	Resolution	Sensitivity	T50	T90
31	NH3	01-EC4-NH3-100-01	0-100ppm	200ppm	≤1ppm	0.1ppm(16Bit ADC)	110±25nA/ppm	<15s	<50s
32	NH3	01-EC4-NH3-500-01	0-500ppm	1000ppm	≤1ppm	0.1ppm(16Bit ADC)	35±15nA/ppm	<15s	<50s

## Easyboard, USB Stick

Item	Gas	Part Number	Input Signal Range	Output Signal	Describe
33	EasyBoard	03-EB-Pos-01-01	5μA	0.02-4.8V	For ES1,ES4,EC4 Positive signal sensor
34	EasyBoard	03-EB-Pos-02-01	25μA	0.02-4.8V	Include Temperature sensor on the board
35	EasyBoard	03-EB-Pos-03-01	100μA	0.02-4.8V	A functional Self Test of the sensor
36	EasyBoard	03-EB-Neg-01-01	5μA	0.02-4.8V	For ES1,ES4,EC4 Negativ signal sensor
37	EasyBoard	03-EB-Neg-02-01	25μA	0.02-4.8V	Include Temperature sensor on the board
38	EasyBoard	03-EB-Neg-03-01	100μA	0.02-4.8V	A functional Self Test of the sensor
39	EasyBoard	03-EB-O2-03-01	100μA	0.02-4.8V	For ES1-O2, ES4-O2 Oxygen sensor

40	USB Stick	03-USB-Gas-01-01	For EC SENSE gas sensor, not for Oxygen sensor, Software included on memory stick. All EC-Sense sensor. EC4 need optional Adapter
41	USB Stick	03-USB-O2-01-01	For EC SENSE Oxygen sensor, Software included on memory stick

### Accessories For Gas Sensor

Item	Gas	Part Number	Describe
42	Socket	02-ES1-SOCK-03-01	For ES1 series sensor, packing unit = 30pcs
43	Socket	02-ES1-SOCK-04-01	For ES1 series sensor · packing unit = 1bag = 50 stripes with 30pcs = 1500pcs in total
44	Socket	02-ES4-SOCK-05-01	For ES4 series sensor, packing unit = 1pcs
45	Socket	02-ES4-SOCK-06-01	For ES4 series sensor, packing unit = 1bag = 150pcs
46	Socket	02-ES4-SOCK-07-01	For ES4 series sensor, packing unit = 5bags = 750pcs
47	Socket	02-ES4-SOCK-07-01	For ES4 series sensor, packing unit = 10bags = 1500pcs

### GAS Calibration System

#### Part 1

Gas Generation Unit

#### Part 2

Gas Sensor Potentiostat

For Electrochemical Sensors

For Conductable Gas Sensors

Individual Interface Board for Instrumental

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