

Atmospheric Monitoring & PID Sensors

PID Sensor

- Fast response time
- High sensitivity
- Reliable stability



4R-PID

Detection range	0-10 ppm	0-40 ppm	0-100 ppm	0-6000 ppm	0-10000 ppm
Resolution	1 ppb	10 ppb	25 ppb	500 ppb	2 ppm
Sensitivity (mv/ppm)	>40	>10	>5	>0.1	>0.1
Target gas	VOC, energy ≤ 10.6eV volatile gases				
Working voltage	3.2-5.5 V				
Zero voltage	U0 > 20 mV				
Output voltage	0.02-2.0 V (3.3 V max)				
Response time (T90)	≤ 5 s				
Accuracy	≤ ±2% (No Condensation)				
Humidity	0-99% (No Condensation)				
Working pressure	800-1200 mbar				
Working temperature	-20 to 50°C				
Lifespan	3 years (lamp and electrode not included)				
Size	φ20.4×16.6 mm				

Industrial electrochemical Module

- High sensitivity & resolution
- Good stability
- ppb level resolution



ZE12A

Target gas	CO	SO2	NO2	O3	H2S
Detection range	0-10 ppm	0-1 ppm	0-1 ppm	0-1 ppm	0-1 ppm
Output Data	0.4-2 V DAC standard voltage signal UART Output (3V level, compatible with 5V)				
Working voltage	5.0±0.1 V DC				
Response time	≤ 120 s				
Resolution	≤ 10 ppb				
Weight	< 75 g				
Operating environment	Temp.: -20 to 50°C Hum.: 15-90 %RH (no condensation)				
Storage Temp.	-20 to 50°C				
Lifespan	2 years (in air)				
Size	φ38.6×41.8 mm				

Industrial Gas Detection Module



ZCE04B

- Real-time serial port output concentration
- Easy to use
- Temperature compensation

Detection gas	CO	H2S	O2	CH4
Range	0-1000 ppm	0-100 ppm	0-30 %vol	0-100 %LEL
Resolution	1 ppm	1 ppm	0.1 %vol	1 %LEL
Working voltage	3.5-5 V			
Working current	< 100 mA			
Response time	< 30 s			
Output way	UART (2.8V level)			
Working conditions	-20 to 50°C, 15-90 %RH			
Storage temperature	0-20 °C (recommended)			
Expected lifespan	2 years (in clean air)			
Size	46.0×46.0×18.5mm			



Air Pollution Monitoring

Industrial Gas Safety

Portable Gas Detector

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