

# Toxic Gas Sensors

## Industrial electrochemical Sensor



ME3

- Low consumption
- Good anti-interference
- Excellent repeatability
- High sensitivity
- Excellent stability

ME3 series electrochemical sensors are suitable for portable instruments. It performs well in the fields of industry and environmental protection. ME series sensors have stable and reliable performance, high sensitivity and good selectivity. Especially because of its electrochemical principle, this series of sensors has no power consumption. ME3 series sensors can be used in atmospheric monitoring, industrial sites, and underground pipe corridors. It mainly tests industrial toxic and harmful gases.

## Industrial electrochemical Module



ZE03

- Pre-calibrated in factory
- UART and analog voltage output
- Good stability
- Excellent anti-interference ability
- High resolution

ZE03 is a general-purpose and high-performance electrochemical module. It uses three electrodes, an electrochemical gas sensor, and a high-performance microprocessor. By installing different gas sensors, the module could detect relevant gas. It has both digital output and analog voltage output, which is convenient for use and calibration, and shortens the development period. It is a combination of the mature electrochemical detection principle and sophisticated circuit design, to meet different detection needs.

Detected Gas	Range	Resolution	Voltage output range	Response time(T90)
NH3	(0~100)ppm	1ppm	(0.6~3) V	≤150S
H2S	(0~100)ppm	1ppm	(0.6~3) V	≤30S
CO	(0~1000)ppm	1ppm	(0.6~3) V	≤30S
O2	(0~25)%VOL	0.1%VOL	(1.5~0) V	≤15S
H2	(0~1000)ppm	1ppm	(0.6~3) V	≤120S
C2H4	(0~100)ppm	0.1ppm	(0.6~3) V	≤120S
HCHO	(0~50)ppm	0.1ppm	(0.6~3) V	≤120S
O3	(0~10) ppm	0.1ppm	(2~0) V	≤120S
SO2	(0~20) ppm	0.1ppm	(0.6~3) V	≤30S
NO2	(0~20) ppm	0.1ppm	(2~0) V	≤30S
HCL	(0~10)ppm	0.1ppm	(2~0) V	≤60S
HCN	(0~100)ppm	0.1ppm	(0.6~3) V	≤120S
CL2	(0~20) ppm	0.1ppm	(2~0) V	≤60S
HF	(0~10)ppm	0.1ppm	(2~0) V	≤60S
ETO/VOC	(0~100)ppm	0.1ppm	(0.6~3) V	≤120S
PH3	(0~1000)ppm	0.1ppm	(0.6~3) V	≤30S
DG01 (odor)	(0~50) ppm	0.01ppm	(0.6~3) V	≤120S

