

# ME4-H<sub>2</sub>S Gas Sensors Manual

## 1 Feature

ME series H<sub>2</sub>S sensors have low consumption, small size, high sensitivity, wide range of linearity, and better anti-jamming capacity, good reproducibility, stability and reliability ect advantage. It is electrochemical sensor widely suits for mine, industry and environmental protection field ect .



## 2 Application

Type	Detecting Gas	Application	Remark
ME4-H <sub>2</sub> S	H <sub>2</sub> S	Detecting H <sub>2</sub> S in industry, mine and environmental protection field	

## 3 Feature

### 3.1 Parameter

#### 3.1.1 Basic feature

Type	ME4-H <sub>2</sub> S	remark
Measurement Range	0-200	
Sensitivity(μA/ppm)	1.2±0.2	
Reproducibility	Output signal±2%	
Response time(t <sub>90</sub> ) s	≤30	
Signal attenuation	≤2%	/month
Zero drift (ppm)	-0.2~0.3	Clean air
Temperature range (°C)	-20~+50	
Temperature drift (ppm)	≤0.5	20~50°C
Humidity range	≤95%RH	
Pressure range (kPa)	90~110	
Storage temperature (°C)	0~20	recommendation
Storage period (month)	6	
Anticipated using life (month)	>24	
Max detecting concentration (ppm)	300	

### 3.1.2 Products external dimension

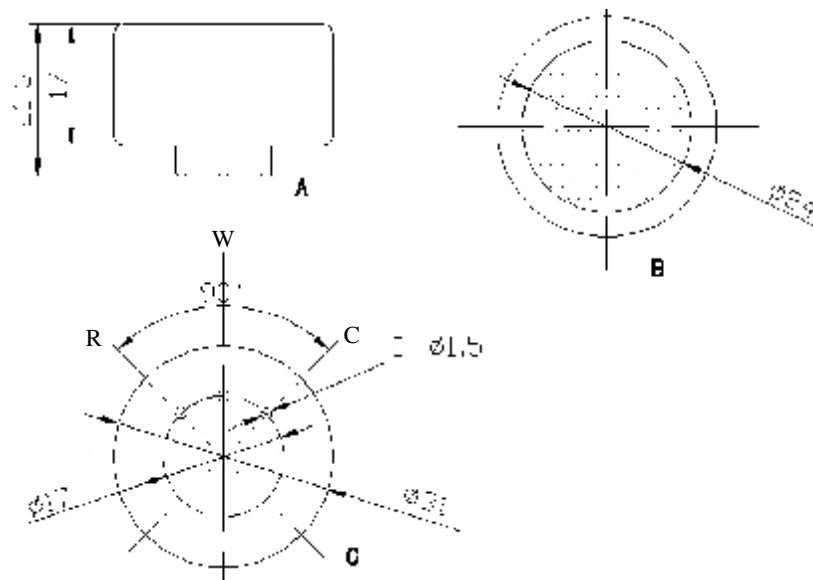


Chart 1. products external dimension

### 3.2 Gas sensitivity

#### 3.2.1 H<sub>2</sub>S Electrochemical sensor concentration response characteristic curve

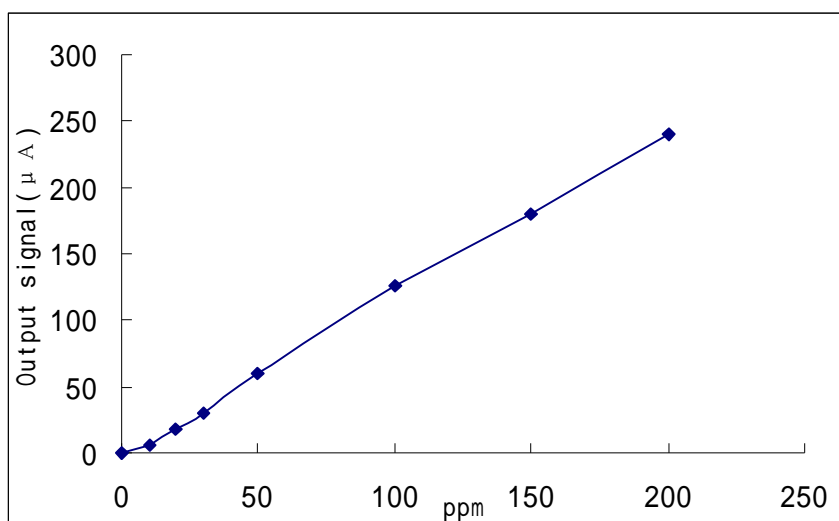


Chart 2 .sensitivity curve

### 3.2.2 Response 、resume time characteristic curve

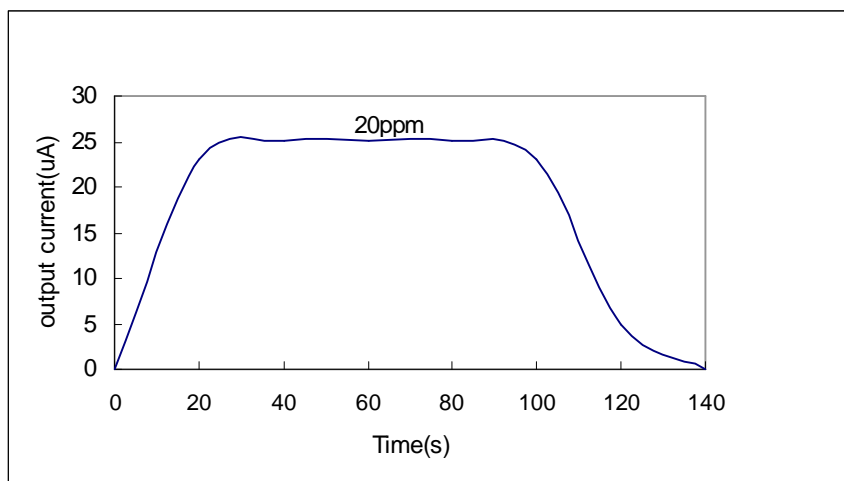


Chart 3. response and resume curve

### 3.2.3 Temperature characteristic

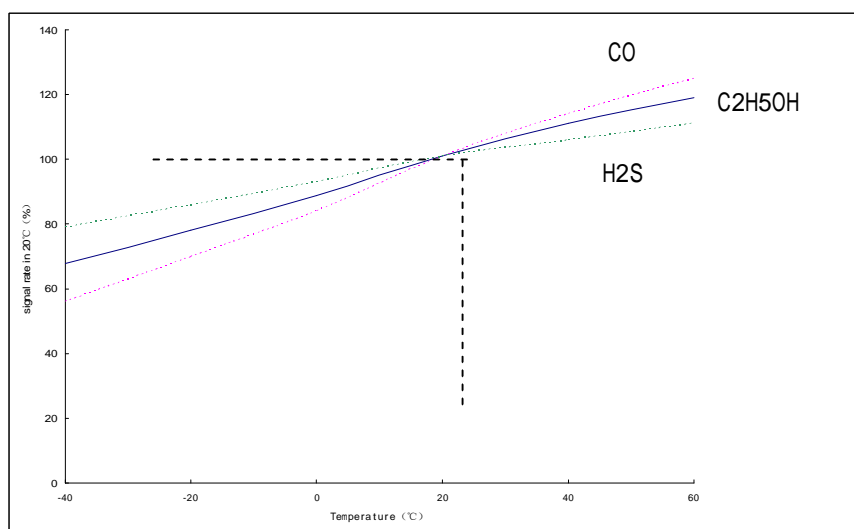


Chart 4. temperature curve