ME3-CO Gas Sensor Manual

1 Feature

ME series CO sensors have low consumption , mini size , high sensitivity , wide range of linearity , and better anti-jamming capacity , good reproducibility , stability and reliability ect advantage. It is widely used for mine , industry and environmental protection field ect **.**

2 Application

Type	Detecting Object	Use	Remark
ME3-CO	CO	Detecting CO in industry, mine and environmental protection	

3 Feature

3.1 Parameter

3.1.1 Basic feature

Type	ME3-CO		
Measurement Range	0-500ppm	0-1000ppm	Remark
Sensitivity(µA/ppm)	0.08±0.02	0.06±0.02	
Reproducibility	Output signal ±2%	Output signal ±2%	
Response time(t $_{90}$) s	≤30	≤30	
Signal attenuation	≤2%	≤2%	/month
Zero Drift（ppm）	-2～10	-2～10	Clean air
Temperature range（℃）	-20～+50	-20～+50	
Temperature drift（ppm）	≤10	≤10	20～50℃
Humidity range	≤95%RH	≤95%RH	
Pressure range（kPa）	90～110	90～110	
Storage temperature（℃）	0～20	0～20	Recommendati
Storage period（month）	6	6	
Anticipated using life（month）	>24	>24	
Max detecting concentration	1000	2000	

3.1.2 Products external dimension
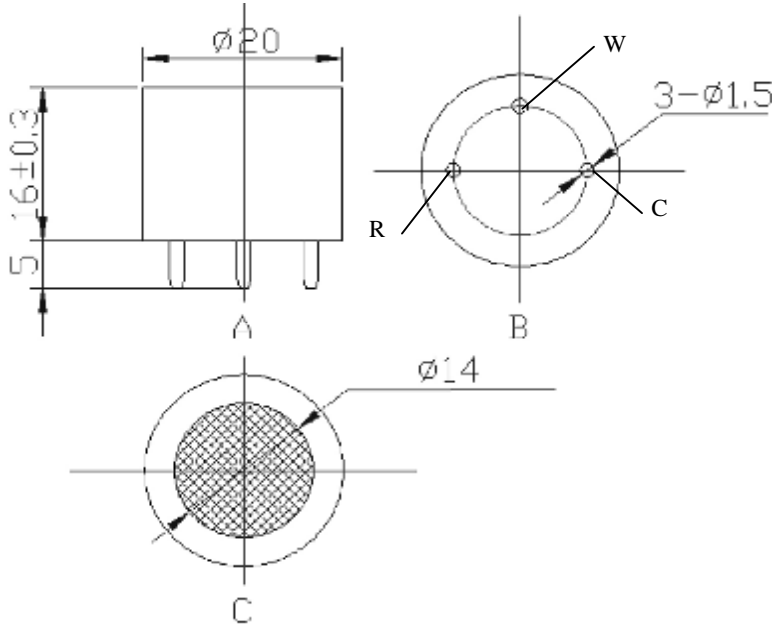
A—left view　　B—planform　　C—upward view

Chart 1. products external dimension

3.2 Sensitivity

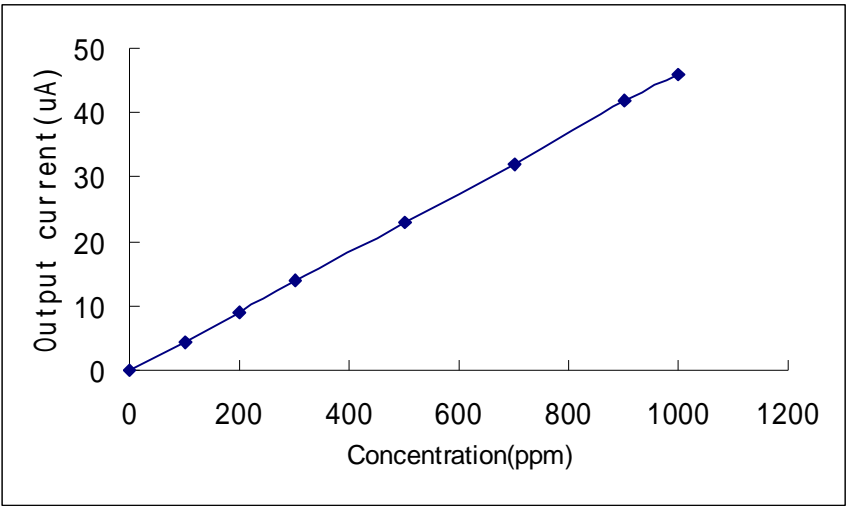### 3.2.1 ME3-CO type electrochemical sensors' concentration response characteristic curve

Chart 2 sensitivity curve

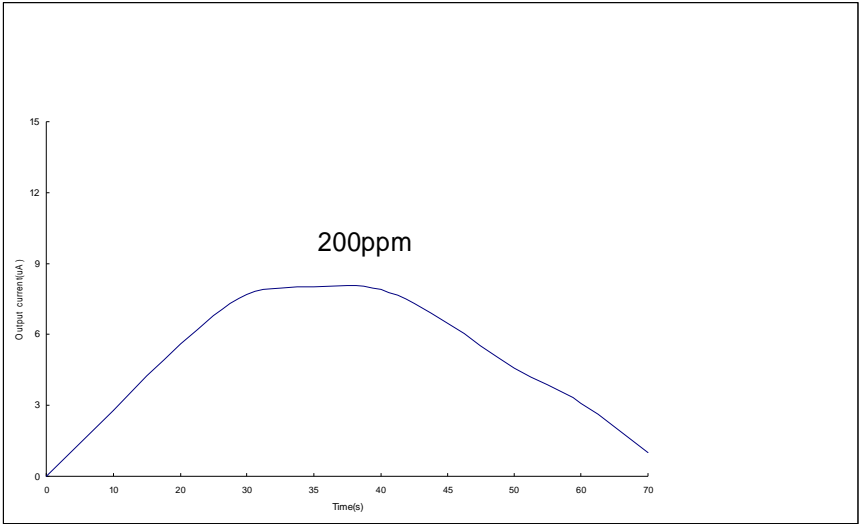### 3.2.2 ME3-CO type electrochemical sensors' response 、resume time and output current relation curve
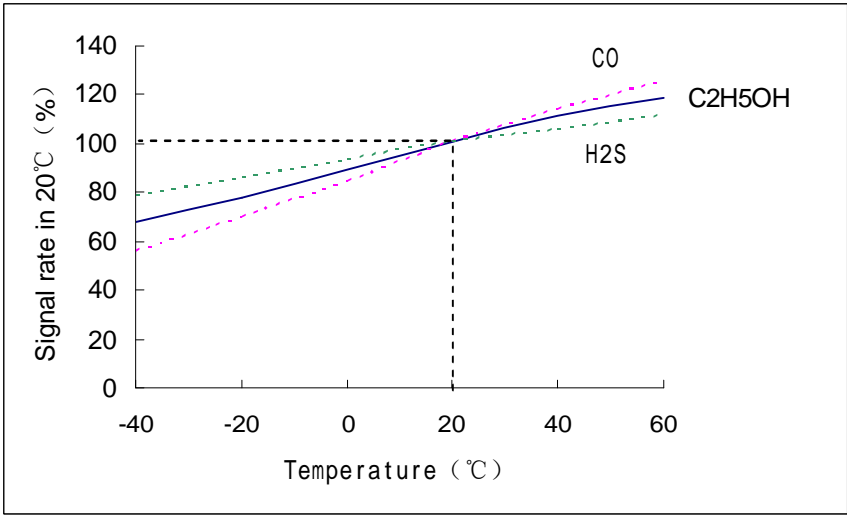

Chart 3.response and resume curve

3.2.3 Temperature characteristic

Chart 4.Temperature curve