

ME3-Cl₂ Gas Sensors Manual

1 Feature

ME series Cl₂ 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 used for industry and environmental protection field, ect .

2 Application

Type	Detecting Object	Use	Remark
ME3-Cl ₂	Cl ₂	Detecting Cl ₂ for industry and environmental protection field	

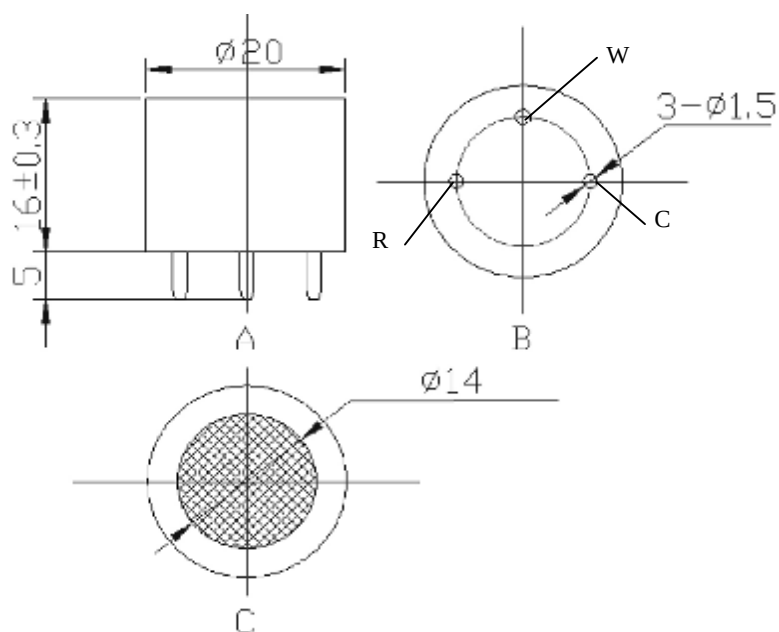
3 Feature

3.1 Parameter

3.1.1 Basic feature

Type	ME3-Cl ₂	
Measurement Range	0-20ppm	Remark
Sensitivity(μA/ppm)	1.0±0. 20	
Reproducibility	Output signal ±2%	
Response time(t ₉₀) s	≤30	
Signal attenuation	≤2%	/month
Zero drift (ppm)	-0.1~0.1	Clean air
Temperature range (℃)	-20~+50	
Temperature drift (ppm)	≤0.2	20~50℃
Humidity range	≤95%RH	
Pressure range (kPa)	90~110	
Storage temperature (℃)	0~20	Recommendati
Storage period (month)	6	
Anticipated using life (month)	>12	
Max detecting concentration	200	

3.1.2 Products external dimension



A—left view B—Planform C—upward view

Chart 1 products external dimension

3.2 Gas sensitivity

3.2.1 ME3-Cl₂ electrochemical sensor concentration response characteristic curve

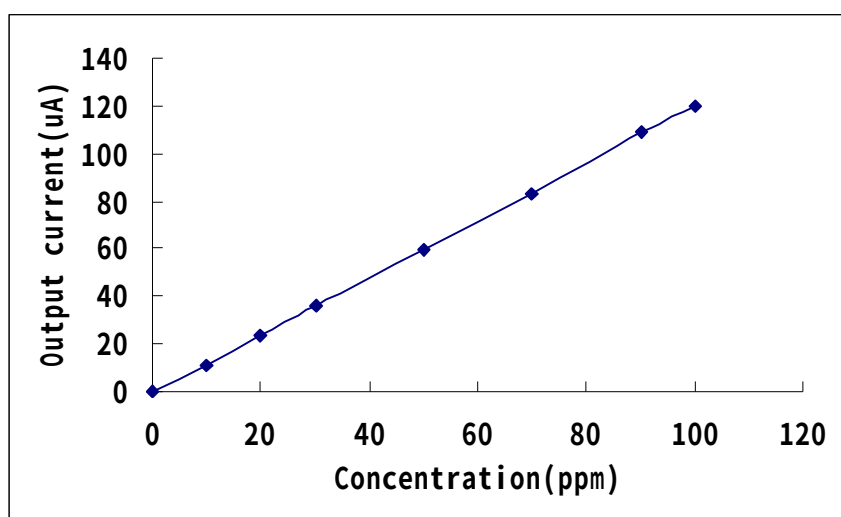


Chart 2 .sensitivity curve

3.2.2 ME3-Cl₂ type electrochemical sensors' response 、resume time and output voltage relation curve

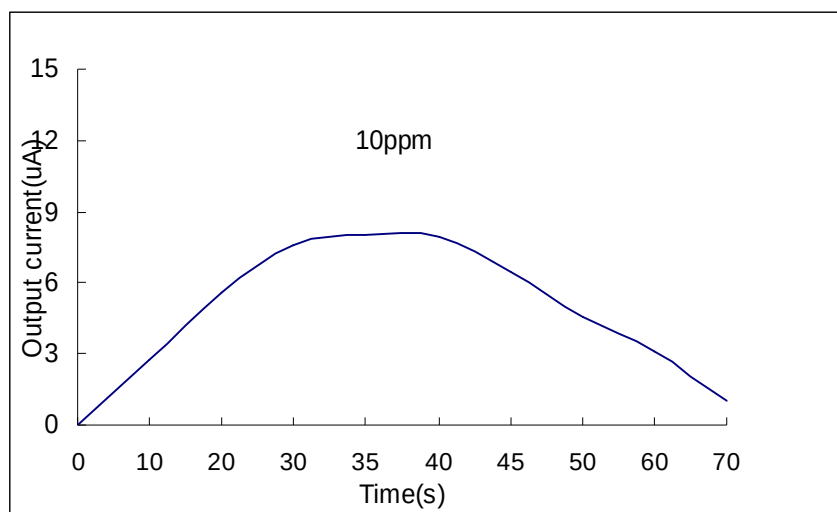


Chart 3.response and resume curve

3.2.3 Temperature characteristic

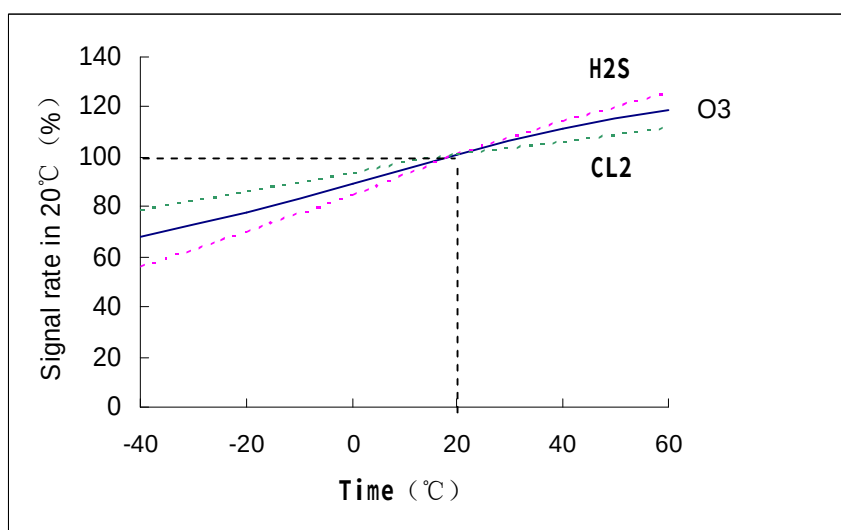


Chart 4.Temperature curve