

CO₂-Resistant Oxygen Gas Sensor (Type:OC-6B)

Performance Characteristics

Principle :galvanic cell type sensor

Detectable Gas : Oxygen (O₂)

Nominal Range : 0-25%

Expected Operation Life : 2 year

Output Signal : 35±12mV / 20.9%

Resolution : 0.1%

Temperature Range : -10 °C ~+45 °C

Temperature Dependence:Fig.1

Pressure Range : Atmospheric ±10%

T₉₀ Response Time : < 15 seconds (at 20 °C)

Relative Humidity Range : 5-95% (non-condensing)

Long Term Output Drift : < 20% signal loss/year

(Fig.2)

Repeatability : < 2% of signal

Output Linearity : Linear

Deviation from Linearity : < 5%

Influence of 100%CO₂ : none

Operating Circuit (Fig.3)

Physical Characteristics

Outline : Fig.4

Weight : 10g (approx.)

Position Sensitivity : None

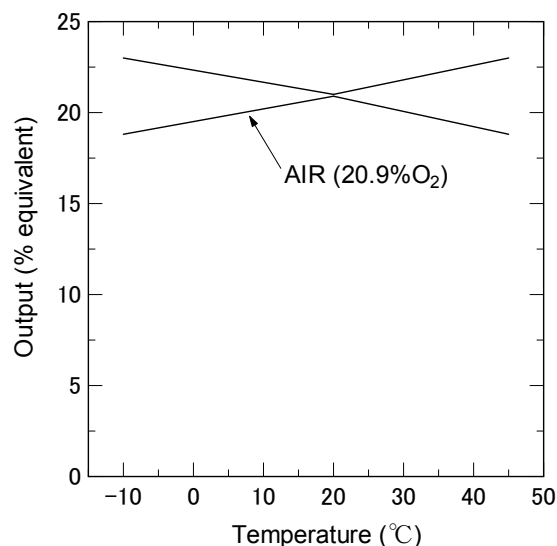


Fig.1 Temperature Dependence

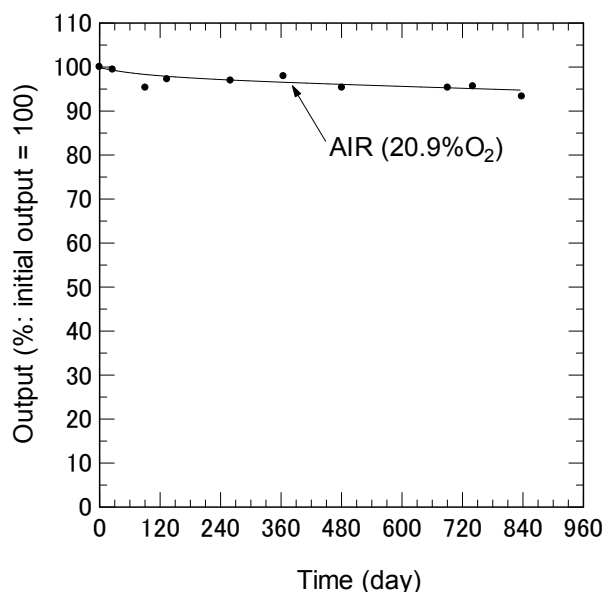


Fig.2 Long-term stability

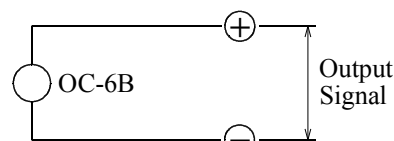


Fig.3 Operating Circuit

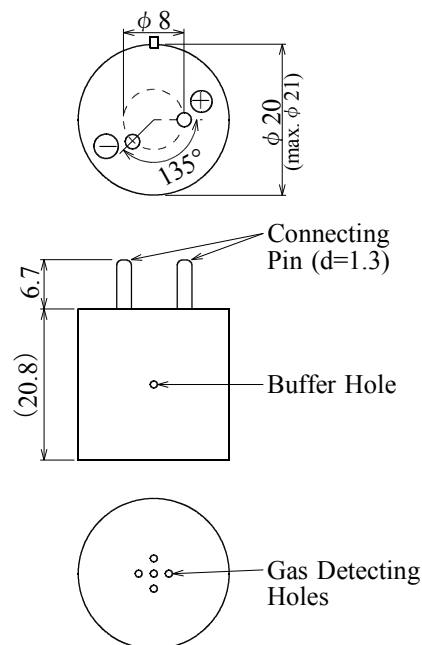


Fig.4 Outline (dimension ; mm)