



Industrial Dissolved Oxygen Sensor

Model : DOG-209F

Technical Features

DOG-209F Dissolved Oxygen electrode has high stability and reliability, it's mainly used for clean water ; it demands for less maintenance; it is suitable for continuous measurement of the dissolved oxygen in the fields of urban sewage treatment, industrial waste water treatment, aquaculture, environmental monitoring etc.

Technical Indexes

- 1) Measuring range: 0-20mg/L
 - 2) Measuring principle: Current sensor (Polarographic electrode)
 - 3) Permeable membrane thickness: 50 um
 - 4) Electrode shell material: U PVC or 31 6L stainless steel
 - 5) Temperature compensation resistor: Ptl00, Ptl000, 22K, 2.252K etc.
 - 6) Sensor life: >2 years
 - 7) Cable length: 5m
 - 8) Detection lower limit: 0.01 mg/L (20°C)
 - 9) Measurement upper limit: 40mg/L
 - 10) Response time: 3min (90%, 20°C)
 - 11) Polarization time: 60min
 - 12) Minimum flow rate: 2.5cm/s
 - 13) Drift: <2%/month
 - 14) Measurement error: $\leq \pm 0.1\text{mg/l}$
 - 15) Output current: 50~80nA/0.1mg/L
- Note: Maximum Current 3.5uA
- 16) Polarization voltage: 0.7V
 - 17) Zero oxygen: <0.1 mg / L (5min)
 - 18) Calibration intervals: >60 days
 - 19) Measured water temperature: 0-60°C

