

## SUP-DO-7011 Industrial Dissolved Oxygen Sensor



### Features

SUP-DO-7011 type oxygen electrode improved from the previously dissolved oxygen electrode, change diaphragm into a grit mesh metal membrane, with high stability and stress resistant, can be used in a more harsh environment, maintenance volume is smaller, suitable for urban sewage treatment, industrial waste water treatment, aquaculture and environmental monitoring and other fields of continuous measurement of dissolved oxygen.

### Technical Indexes

Ultra resistant to pressure (0.6Mpa) wallop, imported (grit mesh metal membrane)

Up thread: M32 \* 2.0

Measuring range: 0-20mg / L

Measuring principle: Current type sensor (polarographic electrode)

Breathable membrane thickness: 100 $\mu$ m

Electrode shell material: PVC or 316L stainless steel

Temperature compensation resistance: Pt100, Pt1000, 22K, 2.252K, etc.

Sensor life:> 2 years

Cable length: 5m

Detection limit: 0.01 mg / L (20  $^{\circ}$ C)

Measurement limit: 40 mg / L

Response time: 2min (90%, 20  $^{\circ}$ C)

Polarization time: 60min

Minimum flow rate: 2.5cm / s

Drift: <2% / month

Measurement error: < $\pm$  0.01 mg / L

Output Current: 50-80nA/0.1 mg / L Note: Maximum current 3.5uA

Polarization voltage: 0.7V

Zero oxygen: <0.01 mg / L

Calibration interval:> 60 days

Measured water temperature :0-60  $^{\circ}$ C