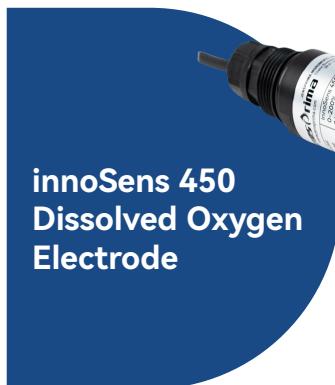


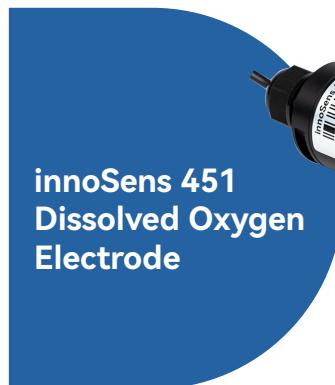
Fluorescence Dissolved Oxygen Electrode

innoSens 450/451

The innoSens450 and innoSens451 fluorescence dissolved oxygen sensors are based on the principle of fluorescence inactivation, require no membranes or electrolyte, are virtually maintenance-free, have excellent performance, are easy to use, do not consume oxygen, and are widely used for DO monitoring of aeration basins in municipal wastewater treatment plants.



**innoSens 450
Dissolved Oxygen
Electrode**



**innoSens 451
Dissolved Oxygen
Electrode**

Measurement parameters

Dissolved oxygen, Temperature

Applications

Wastewater treatment, Surface water, Aquaculture

Applicable Controllers

innoCon 6800D Digital Dissolved Oxygen Controller

Features

- Uses fluorescence quenching measurement technology
- No membranes or electrolyte required
- No calibration and maintenance required
- Only need to replace fluorescent cap (cycle 1~2 years)

Technical parameter

Measuring range:	0.00-20.00ppm/0-200%
Resolution:	0.01ppm
Accuracy:	±0.1ppm or ±1%
Response time:	<60seconds
compensation:	Built-in NTC temperature probe
Working temp:	0-60°C
Flow rate:	No requirement
Material:	316L
Dimensions:	Diameter: 33.5mm, Length: 197mm, Connection: 3/4" BSP
Cable:	10m Standard
Max Pressure:	5bar
Protection Class:	IP68
Order No.	35-0450-00

Technical parameter

Measuring range:	0~20.00mg/L或0~200%
Resolution:	0.01mg/L
Accuracy:	<±0.3mg/L、<±0.3mg/L
Response time:	<45s
compensation:	Standard RS485 Modbus RTU protocol
Working temp:	Built-in NTC temperature probe
Flow rate:	0-50°C
Material:	Submerged installation
Dimensions:	10m Standard
Cable:	POM+316L
Max Pressure:	190mm、Ca. 0.3kg
Protection Class:	IP68
Order No.	35-0451-10