

# Online Dissolved Oxygen Analyzer

## innoCon 68000

The innoCon 6800 plus intelligent controller is designed for water treatment and industrial process monitoring, with Chinese/English menus, automatic temperature compensation, two 4-20mA/RS485 Modbus RTU and Hi/Lo alarm outputs as standard, panel and wall mounting. Different water quality parameters can be measured by selecting different innoSens electrodes.



### Measurement parameters

Dissolved Oxygen

### Features

- The latest wide power input, super anti-interference design
- Large-screen backlit LCD shows measured values, temperature and relay status
- Chinese / English menu, easier to operate
- Password protection, to prevent unauthorized operation
- New calibration steps can help reduce operational errors
- 2 sets relay output can set High/ Low
- Automatic cleaning relay output
- 2 channel 4-20mA current
- RS485 Modbus output

### Technical parameter

Item No.:	innoCon 68000
Measurement:	ppm/ppb Dissolved Oxygen
Range:	0-20.00mg/L, 0-200% 0-200µg/L
Resolution:	0.01mg/L, 0.1µg/L
Accuracy:	±1%fs.
Compensation:	PT1000
Display:	Big-size screen of crystal display, white back light
language:	Chinese / English
Passcode:	Set mode: 0022, Calibration mode: 0011
Power supply:	90 - 260V AC, 50/60Hz; 24VDC(Optional)
Current output:	2x Isolated 4-20mA outputs, programmable measured value and temperature, max. load 500Ω
Digital communication:	RS485 Modbus RTU
Alarm output:	2 sets of programmable Hi/Lo contacts with hysteresis setting, 5A/250VAC/30VDC
Washing Relay:	Wash interval: 0.1-1000h, Wash time:1-1000s
Working temperature:	0~70.0°C
Protection class:	IP65
Installation:	Wall/Pipe/Panel Mounting
Size:	Dimensions: 144 × 144 × 110mm, Panel Cut Size: 138 × 138mm
Weight:	Ca.0.85Kg
Order No.:	33-6801-30

# Clark Dissolved Oxygen Electrode

## innoSens 420/425

The innoSens 420 Clark Dissolved Oxygen Electrode is used for DO measurements in polluted wastewater surface waters. The innoSens 425 dissolved oxygen electrode is a ppb-grade industrial online dissolved oxygen electrode. Applied with the principle of polarography, it adopts the gas-permeable membrane imported from the United States, and the membrane head is integrated and easy to maintain and replace.



**innoSens 420**  
Dissolved Oxygen  
Electrode

### Measurement parameters

Dissolved oxygen in sewage (membrane method)

### Applications

Municipal sewage, industrial wastewater, aquaculture

### Applicable Controllers

innoCon 68000

### Features

- Adopts Clark measurement technology
- Built-in temperature probe compensation
- High accuracy and stability
- Integral membrane head assembly for easy replacement
- Low purchase cost



**innoSens 425**  
Dissolved Oxygen  
Electrode

### Measurement parameters

Micro Dissolved Oxygen

### Applications

Power plants, boiler water, etc.

### Applicable Controllers

innoCon 68000

### Features

- Adopts Clark measurement technology
- Built-in temperature probe compensation
- 316L stainless steel housing
- Integral membrane head assembly for easy replacement
- Standard stainless steel flow cell

### Technical parameter

Measuring range:	0-20mg/L, 0-200%
Temperature compensation:	PT1000
Working temperature:	0-60°C
Maximum pressure:	atmospheric pressure
Flow rate requirements:	≥0.03m/s
Material:	pps, Gold/silver electrode
Installation:	Submerged
Connection thread:	3/4"NPT
Cable length:	10m Standard
Protection class:	IP68
Application:	Sewage treatment, Surface water
Order No.:	35-0420-00

Measuring range:	0-200.00μg/L (ppb), 0-20.00mg/L (ppm)
Temperature compensation:	PT1000
Working temperature:	0-60°C
Maximum pressure:	atmospheric pressure
Flow rate requirements:	≥0.03m/s
Material:	316L stainless steel
Installation:	Submerged
Connection thread:	Standard stainless steel flow cell
Cable length:	10m Standard
Protection class:	IP68
Application:	Power plants, boiler water
Order No.:	35-0425-00