

Save on electricity without replacing nitrate sensors every few months

Accurate nitrate measurement is essential for efficient water treatment processes. By providing fast, responsive, and long lifetime monitoring, our Nitrates Probe saves time, reduces chemical costs and ensures the highest standards of water compliance.



## Applications



### Drinking Water

- Source water monitoring and alarming



### Waste Water

- Final effluent monitoring
- Inlet monitoring
- Aeration control and optimization
- Planning and optimization of denitrification processes

## Benefits

### Long lifetime, Accuracy

- Automated measurement, no grab samples
- Fast response to change in water

### Operational Efficiencies

- Save on electricity without the need to swap out nitrates sensors every few months
- Reduce chemical dosing

### Compliance

- Easy calibration of probes
- Prevent false readings occurring with longer lifetime nitrate probe

### Ease of Install & Maintenance

- No moving parts – minimal maintenance
- Long life LED light source
- Intuitive calibration and setup
- Easy installation and placement
- Modbus RTU interface for third party controllers
- Interfaces with PM Controller

<b>Measurements</b>	Nitrate (COD and TSS Compensation)
<b>Range</b>	0 to 50 mg/l with 10 mm path length
<b>Accuracy</b>	±1.0%
<b>Repeatability</b>	±0.5%
<b>Sampling Frequency</b>	60 Seconds
<b>Material</b>	Stainless Steel 316
<b>Compensation</b>	NOM, Particle/TSS
<b>Light Source</b>	IR & UV LED
<b>Dimensions</b>	Probe: 39 mm diameter, Height 150 mm + path length

<b>Operating Conditions</b>	1 to 45°C, max 80% relative humidity (non-condensing)
<b>Storage Conditions</b>	-20 to 60°C, max 80% relative humidity (non-condensing)
<b>Enclosure Rating</b>	Probe IP68
<b>Interfaces</b>	RS485, MODBUS
<b>Warranty</b>	1 year
<b>Cleaning System</b>	Optional jet wash cleanse unit
<b>Conformity Safety</b>	EN61010
<b>Conformity EMC</b>	EN61326
<b>Cable Length</b>	Standard 10 m (alternatives available)
<b>Supply Voltage</b>	12 volts—24 volts DC