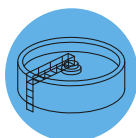




# PEC-500

Conductivity Sensor



[www.advanceanalytik.com/products/sensors](http://www.advanceanalytik.com/products/sensors)

**ADVANCE  
ANALYTIK**

# PEC-500

## Conductivity Sensor

The PEC-500 Conductivity Sensor, featuring a glass platinum electrode, is a reliable instrument for accurate conductivity monitoring. This sensor utilizes voltage and current values to determine conductivity, making it an essential tool for applications in water treatment, hydrological monitoring, wastewater treatment, swimming pools, fish ponds, as well as in fertilizers, chemicals, and biology industries.



### Product Features

1. **Accurate Conductivity Monitoring:** Provides precise and reliable measurement of conductivity, ensuring data accuracy for various applications.
2. **Glass Platinum Electrode:** Utilizes a glass platinum electrode design, known for its durability and consistent performance.
3. **Wide Measurement Range:** Capable of measuring conductivity within a range of 10 to 5000  $\mu\text{S}/\text{cm}$ , accommodating diverse conductivity levels.
4. **Temperature Flexibility:** Operates effectively in temperatures ranging from 0 to 80°C, suitable for various environmental conditions.
5. **Pressure Compatibility:** Designed to withstand pressures up to 0.6Mpa, maintaining performance under different pressure conditions.
6. **Quick Response Time:** Offers a rapid response time of  $\leq 10$  seconds to reach 95% of the end value after stirring, ensuring timely data capture.
7. **Flexible Cable Length:** Supplied with a standard cable length of 10m, extendable to a maximum of 20M, facilitating installation flexibility.
8. **Versatile Applications:** Suitable for a wide range of applications including water treatment, hydrological monitoring, swimming pools, and more.
9. **Reliable Medium Temperature:** Capable of operating in a medium temperature range of 0~80°C without freezing, enabling use in various environments.





# PEC-500

## Technical Specifications

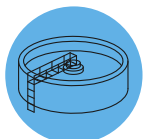
### Physical Specifications

Main Material	Black polypropylene shell, glass platinum electrode
Weight	Sensor: 0.2KG
Dimensions	Sensor: Dia28.7mm * L 195mm
Cable Length	Standard: 10m, extendable to 20M

### Measurement Specifications

Measurement Range	Conductivity: 10–5000 $\mu\text{S}/\text{cm}$
Temperature Range	0–80°C
Pressure Range	$\leq 0.6\text{Mpa}$
Response Time	$\leq 10$ seconds (Reach 95% of the end value) (After stirring)
Medium Temperature	0–80°C (Non-freezing)

## APPLICATIONS



### Water Treatment Plants

Precise conductivity monitoring for effective water treatment processes.



### Hydrological Monitoring

Essential for monitoring conductivity levels in natural water bodies.



### Wastewater Treatment

Ensures suitable conductivity levels in wastewater treatment systems.



### Swimming Pools

Maintains optimal conductivity for safe and comfortable swimming environments.



### Fish Ponds

Monitors conductivity to create an ideal environment for aquatic life.



### Fertilizers, Chemicals, and Biology Industries

Supports conductivity monitoring in various industrial processes.



### Note -

This data sheet serves as general information about the PEC-500. For specific technical details, installation guidelines, and troubleshooting assistance, please refer to the official user manual provided with the product.

For inquiries and detailed technical information, please contact [info@advanceanalytik.com](mailto:info@advanceanalytik.com).



# **ADVANCE ANALYTIK**



**Advance Analytik KFT**  
**1024, Keleti Karoly utca 48.**  
**fszt. Budapest**  
**+36 70 328 6862**  
**[sales@advanceanalytik.com](mailto:sales@advanceanalytik.com)**



**[www.advanceanalytik.com](http://www.advanceanalytik.com)**