



PRODUCT
DATASHEET '24

ADVANCE ANALYTIK

REVOLUTIONIZING ONLINE MONITORING SOLUTIONS



VizSens-EC(Digital) **Conductivity Sensor**

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VizSens-EC(D)

Conductivity Sensor

Digital quadrupole Conductivity Sensor, suitable for all kinds of harsh working environment. It has the advantages of high precision, long life and small drift. Widely used in surface water, municipal sewage, industrial wastewater, sewage treatment, waterworks, industrial process, aquaculture and other industries.



Product Features

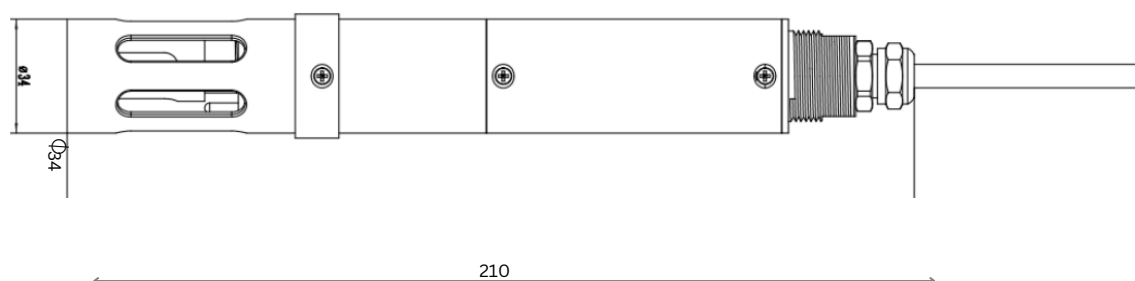
- Core electrode adopts quadrupole working principle, wide range, high accuracy and good stability.
- Electrode is made of graphite, high sensitivity, strong ability to resist pollution.
- Waterproof grade IP68, 316L stainless steel corrosion resistant shell, long-time work underwater.
- Built-in PT-1000 temp. sensitive resistor, effective temperature compensation.
- RS485 communication interface, the standard Modbus protocol, ease of integration.
- Sensor power supply positive and negative reverse connection protection.
- Sensor RS485 A/B terminal is connected to the power supply protection.



VizSens-EC(D)

Technical Specifications

Physical Specifications	
Main Material	316L Stainless Steel + Polyoxymethylene
Dimensions	Dia. 34mm* Length 210mm
Cable Length	Standard: 10m, Max. extendable to 200m
Mounting Thread	3/4 inch front and rear threads
Measurement Specifications - Conductivity	
Measurement Range	10 us/cm - 200 ms/cm
Accuracy	± 2 % F.S.
Resolution	0.01us/cm-1us/cm depends on measurement range
Repeatability	±1% or 1us/cm
Temperature Specifications	
Temp. measuring range	0-100 °C
Electrode voltage resistance	0-0.1 Mpa
Electrode temp. resistance	0-45 °C
Pressure Specifications	
Pressure Range	0-0.1 Mpa
Electrical Specifications	
Power Supply	9-36VDC
Communication Protocol	MODBUS RS485
Protection and Communication	
Protective Rate	IP68 (Protective casing)

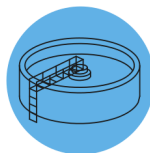


APPLICATIONS



Wastewater Treatment

Ensuring proper conductivity levels in wastewater treatment facilities.



Water Plants

Precise monitoring of conductivity levels for optimal water treatment processes.



Swimming Pools

Monitoring conductivity for maintaining safe and comfortable swimming pool conditions.



Hydrological Monitoring

Accurate measurement of conductivity in natural water bodies for environmental assessment.



Fertilizers and Chemicals

Monitoring conductivity in fertilizer and chemical solutions for quality control.



Fish Ponds

Controlling conductivity to create a suitable environment for aquatic life in fish ponds.



Note -

This data sheet serves as general information about the VizSens-EC(D). 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 sales@advanceanalytik.com.



LET'S CONNECT !

Let's work together to find a solution that works for you



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