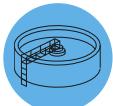


# AAC-100

Single/Dual- channel transmitter



# AAC-100

## (Single/Dual-channel transmitter)

The Advance Analytik AAC-100 Single/Dual-channel transmitter is an advanced instrument designed for comprehensive water quality monitoring. Capable of measuring multiple parameters such as pH, DO, ORP, conductivity, turbidity, SS, chlorophyll, blue-green algae, and others, this device offers versatility for a wide range of applications. Its plug-and-play sensor integration simplifies setup, while the flexible configuration allows users to adapt the system to their specific monitoring needs. The transmitter's user-friendly interface enables real-time data visualization and seamless integration with data logging systems, ensuring efficient data management.

With its cutting-edge technology, the AAC-100 transmitter delivers reliable and precise measurements even in challenging environmental conditions. Its robust construction ensures long-term durability and accurate data collection over extended periods, making it suitable for various industries and research fields. Whether it's assessing water quality in aquaculture, wastewater treatment, environmental research, or industrial processes, the AAC-100 provides valuable insights into key water parameters. This enables timely interventions, ensuring water safety and sustainability for the benefit of both ecosystems and human populations.



## FEATURES

- Achieve plug and play of sensors, quick and convenient electrode installation and replacement; Simple to use, reliable results, interface operation instructions can reduce operation errors;
- LCD screen visual operation, with English bilingual navigation menu, rich and comprehensive interface content;
- With 4 ~ 20mA, MODBUS RS485 multiple data output methods;
- Automatically prompt error and alarm information, and realize the upload of alarm signal;
- The transmitter supports wall-mounted installation/panel installation/ pinch tube installation; Existing time display, data storage and historical data viewing functions;
- Optional data wireless transmission module.



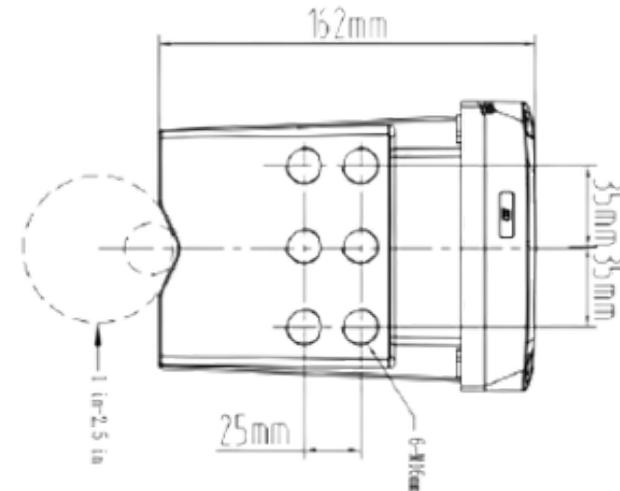
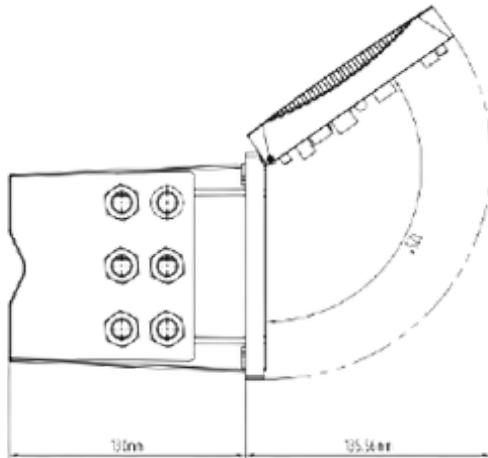
# AAC-100

(Single/Dual- channel transmitter)



## TECHNICAL SPECIFICATIONS

Model	AADXC-200 / AADXC-400
Part Number	AADXC-200 (SINGLE) / AADXC-400 (DUAL)
Display	128*64 Graphic dot matrix LCD with LED strong backlight, can operate in direct sunlight
Power supply	AC power supply: 85-500 VAC (50/60 HZ) DC power supply: 9~36 VDC
Main material	PA66+GF25+FR (Cover) Aluminium alloy powder Lower casing
Output	3-way 4-20 mA analog output, programmed response parameter and response range
Relay	Three-way relays, programmed response parameter and response value
Communication protocol	Equipped with MODBUS RS485 communication function, real-time transmission of measured values
Storage temperature	20~70 °C
Measuring temperature	-15~60 °C
Power supply	AC: 85-500 VAC (50/60 HZ) DC: 9~36 VDC
Protection class	IP68/NEMA 6P
Dimensions	145*125*162 mm (L*W*H)
Weight	1.35KG



# APPLICATIONS



## Water Treatment Plants

For monitoring water quality in treatment processes and ensuring compliance with regulatory standards.



## Environmental Monitoring

For assessing water quality in natural ecosystems, identifying pollution sources, and protecting aquatic biodiversity.



## Aquaculture Farms

To maintain optimal conditions for aquatic life, allowing for healthy growth and production.



## Research Institutions

For conducting scientific studies related to water quality and environmental monitoring.



## Industrial Process Control

For quality control in industrial processes that involve water usage.



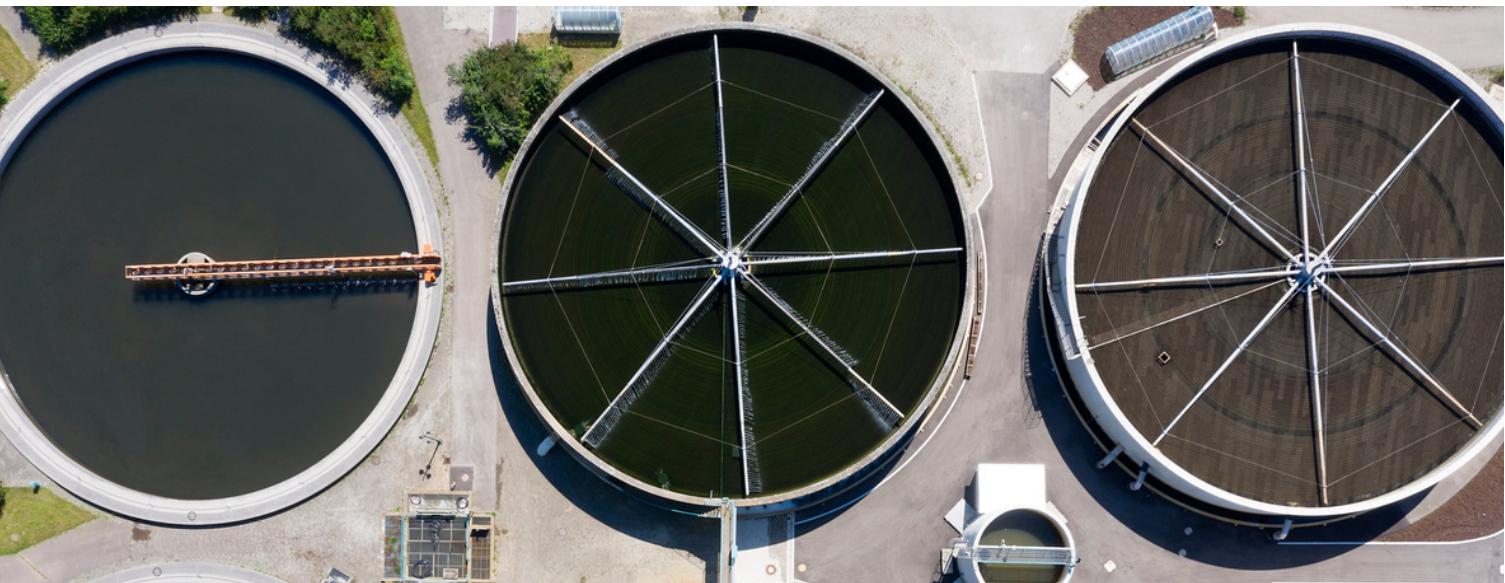
## Wastewater Treatment

To monitor and optimize the efficiency of wastewater treatment processes.



## Food and Beverage Production

For ensuring the quality of water used in food and beverage production, meeting industry standards.



### Note -

This data sheet serves as general information about the SINGLE/DUAL CHANNEL CONTROLLER. 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).

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