



# AURORA

ULTRASONIC SENSOR EX3-RDX

- ☒ Acid-base salt pool
- ☒ Tank Level
- ☒ Lake Reservoir

## Technical and Specification:

The instrument has a brand-new signal processing technology, with the characteristics of safety, cleanliness, high accuracy, long life, stability and reliability, convenient installation and maintenance, and simple reading. It is widely used in petroleum, chemical industry, water treatment, water conservancy, steel, coal mine, electric power and food processing industries, and is suitable for various fields such as acid, alkali, salt, anticorrosion, high temperature and explosion protection. It can be connected with various brands of PLC systems or secondary control systems through 4 ~ 20 mA or RS 485 (Modbus protocol) to provide real-time liquid level data for industrial automation.

### Default :

Range & Cable: Same as your choose

Output Signal : 4-20mA or RS485

Power Supply : DC24V (If u need 220V , pls mark it in order )

### Notes:

We can make 0-20m Range according to your request .

If you need other special parameters, please contact me online .

And let me know the request for range , output signal , power supply

## AURORA ULTRASONIC SENSOR EX3-RDX

Item Name : AURORA ULTRASONIC SENSOR EX3-RDX

Measuring Range : 0-20m

Blind Area : 0.35m-0.5m

Ranging Accuracy : 0.5%

Power Supply : DC12V; DC24V; DC12-28V; AC220V

Display : LCD Display (Resolution 1mm)

Analog Output : 4-20mA, 0-10V, 0-5V

Digital Output : RS 485 (Modbus)

Ambient Temperature : -40°C~80°C

Pressure Resistance of Sensor : <0.1MPa

Protection ; IP65



## 1. Good Quality

LCD Display easy to read. The two in level are displayed by colleagues, and it support switching between Korea and English.



## 2. Double Layer Protection & Integral Sealing

There are coil shock protection inside and outside the installation, which is more stable, and the shell is integrally sealed to prevent moisture and ensure that the installation is more stable and firm.

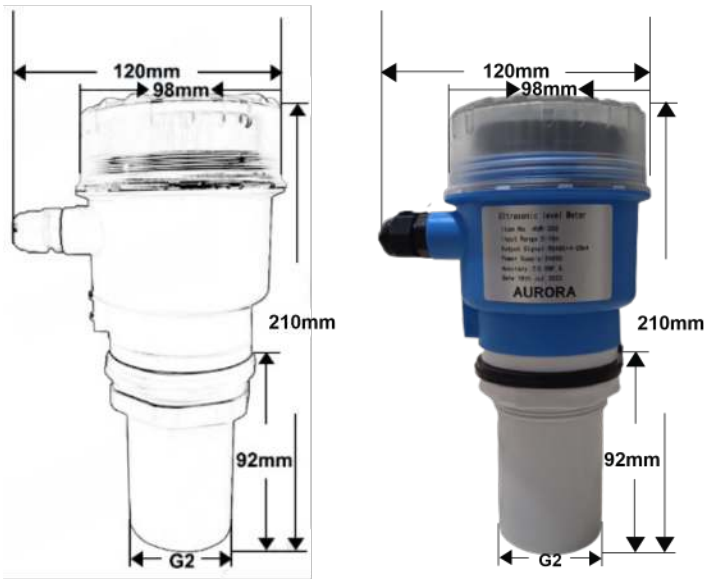


### 3. Intelligent Soundwave & Echo Analysis

Intelligent acoustic wave technology can perform intelligent echo analysis, without any debugging and other special steps, with an accuracy of 0,5% and it can resist various interference waves

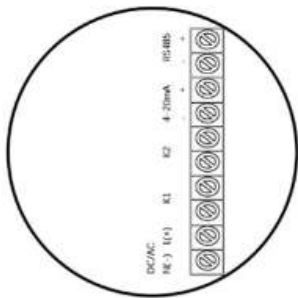


Product Size



Wiring Diagram

Unscrew the wiring board of LCD display enclosure and see the instrument, as shown in the following figure



(Integrated wiring panel)

Explanation	TERMINALS	Explanation	TERMINALS
Instrument	L (+), N (-) D C /AC	Relay Output	K 1, K 2 (Two ways optional)
Power Supply			Non-standard
RS 485	RS 485 (+, -)	Analog Output	4-20 mA (+, -)

Note:

- 1. Power Supply : AC220V or DC24V  
DC24V power supply please pay attention to the positive and negative poles
- 2. 4~20 mA current output, the maximum load shall be less than 500Ω
- 3. Relay output is configured according to user requirements (non-standard)
- 4. RS 485 protocol output, pay attention to the positive and negative poles when wiring.

# Installation Method

