

Oasis Wifi RO Controller (Remote Monitoring System) Specifically Designed for Commercial & Industrial Applications

Product Description

Oasis Wifi RO controller is the extended version of ROTEK C-5TM RO controller, which allows users to monitor historical data of RO system operations via smart phones or computers.

It is also designed for RO system fabricators to upgrade their new and old systems that allow them to give better service to their clients by getting warnings ahead before the system fails.



Monitoring Features

Operating Parameters

Raw Water TDS / Permeate Water TDS / Feed Water Pressure / RO Operating Pressure / Permeate Flow Rate / Concentrate Flow Rate

System Operating Status

Start-up Flush / Low Pressure / Production / Tank Full Standby / Tank Full Flush / Timer Flush

Total Consumption

Accumulated Total Flow Volume / Accumulated Total Production Time

Pre-Filter Change Reminder

You can set the alarm point based on accumulated flow rate

RO Membrane Cleaning Reminder

You can set the alarm point based on RO operating pressure and permeate flow rate

Flexible Reminder Setup

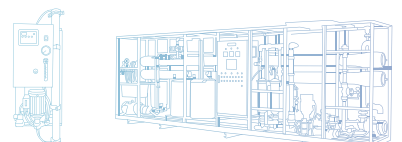
You can set the alarm point for the maintenance of various pre-treatments based on accumulated flow or time.

Water Quality Abnormal Warning

You can set the alarm point based on raw water or permeate water TDS to let you know if raw water quality or treated water quality has exceeded the level of what the system is designed for.



Automatic Email Reminder



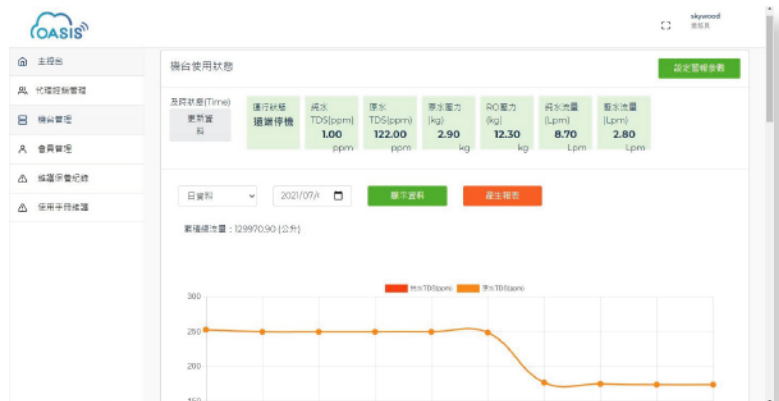


Simple Design At A Glance

The web version of the OASIS management platform can provide more complete operation data, a simple and clear homepage design allows you to see how many devices are operating or alert.

Instant Status Feedback

Operation status and real-time operating parameters can be observed more clearly on the web based OASIS management platform, which allows the engineer or user can quickly determine whether the system is operating normally, without need to go to the site.



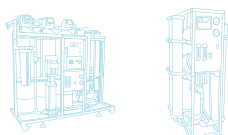
Dynamic Curve Graph Statistic

Through the data curve graph of day/week/month/year, membrane fouling potentials and trends can easily be identified. Set the next maintenance time at the suitable time, helps increase the lifespan of membrane and system.



High Flexibility of Alarm Setting

Low and up limits of flow rate, pressure, time and water quality parameters can be set for alarm. Which allows users to set up alarms for varies type of project requirements.



Key Features

1 Diversified Curve Data Analysis

You can select the time axis (day/week/month/quarter/year) you want to browse through the menu, and view the curve trend of different data (water quality/flow/pressure) It is easier to analyze the membrane fouling trend, find the time point when the RO membrane needs to be cleaned, and prolong the service life.

2 One Click for Service Request

Both the mobile APP and the web browser have the application function for Service Request. The distributor will be notified and arranged for follow-up matters as soon as the demand is sent.

3 Customizable Alarm Parameter Setting

As long as there is data, alarm points can be set, which include water quality, operating flow and operating pressure. Diversified alarms Point settings can be applied to different business models.

4 Provide All Required Parameters for RO Operation

Oasis Wifi RO Controller provides 7 major parameters

1. Operation Status and Time
2. Raw Water (TDS) up to 9990ppm
3. Permeate Water (TDS) up to 999ppm
4. Feed Water Pressure(Kg) up to 20 Bar
5. RO Pressure(Kg) up to 20 Bar
6. Permeate Water Flow Rate (LPM)
7. Concentrate Water Flow Rate (LPM)

5 Patented Raw-Water/Pure-Water Flushing Switching Mechanism

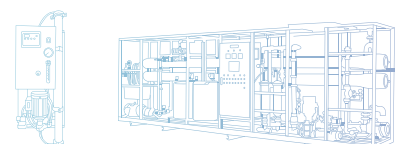
Most RO systems on the market are designed with raw water flushing, but in brackish water and seawater desalination RO applied with permeate water flushing can greatly extend the life of the RO membrane. The Oasis Wifi RO controller can be used for both applications.

6 Readjustable Flushing Time

Different levels of flush frequency and duration depends on raw water quality and the ion saturations of the concentrate stream. Oasis Wifi RO controller has 3 types of flush mode (Start-Up Slow Flush / Timer Fast Flush / Tank Full Slow Flush). All above flush frequency and durations are adjustable freely for different projects.

7 Remote Emergency Shutdown and Password Setting

The user can use the mobile phone or computer internet to give the shutdown command if necessary, even if someone wants to start the device on the spot, he must enter the password to start it normally. This function can be applied to the rental business model.



Oasis Wifi RO Controller Specifications

Model	ORC-138	ORC-112	ORC-134	ORC-110
Flow Meter Size	3/8"(40LPM)	1/2"(80LPM)	3/4"(100LPM)	1"(120LPM)
TDS Sensor Resolution	Permeate Water TDS = 999ppm / Raw Water TDS = 9990ppm			
Max. Operating for Pressure Sensor	30 Bar			
Suitable RO System Capacities	800GPD - 30,000GPD			
Working Voltage	110V-50/60Hz & 220V-50/60Hz			
Working Current	10A max			
Panel Hole Size	14x10 cm			
Packing Information	21x13x5.5(Main Controller)+14x10.7x6.7 cm			
Packing List	Main Controller, TDS sensor x 2, Pressure Transmitter x 2, Paddle Flow Meter x 2, Wires x 1			
Wifi Spec	EMW3090V2-P / 802.11b/g/n Standard , transmission rate up to 65Mbps			



Physical photo

Packing List



Main Controller x 1



Wires x 1



Paddle Flow Meter x 2



TDS sensor x 2



Pressure Transmitter x 2

