Digital Free chlorine Analyzer

Application areas:

Water Treatment Monitoring:Domestic Water Swimming Pool Environmental Wastewater Discharge Monitoring

Industrial process monitoring: Circulating water, cooling water, aquaculture, papermaking, food, medicine, etc.

Digital Free chlorine Controller

Features&Advantages

- A universal controller specially designed for DRFN digital series Free Chlorine sensors, compatible with all DRFN digital Free Chlorine sensors.
- The connected sensor uploads the detected data in a special encrypted communication mode to ensure that the DUC controller can collect high-precision data more stably.
- The working status of the sensor can be queried, including reading the serial number of the sensor.
- There are controller and sensor setting lists respectively, which can quickly and detailedly grasp the set configuration parameters list.
- Support a variety of installation methods, can be applied to more different installation environments, the enclosure protection level is IP66.
- It has clock and historical data recording functions to meet higher data management requirements.
- Rich output, while satisfying monitoring, control, data remote transmission,
- With 2 settable SPST multi-function relays;
- With 2 high-precision 0/4~20mA current output;
- With a two-wire RS485 interface;
- Configure OTA download technology (Over-the-Air Technology), as an intelligent configuration option of the instrument, OTA uses WIFI; GSM; CDMA and other wireless technology connections to remotely upgrade software for customers, diagnose faults, and assist in instrument parameter configuration. This work not only reduces the workload of instrument on-site service, but also minimizes the time for users to wait for service.
- 128*64 large-screen graphic dot matrix LCD screen, Chinese and English display, rich in content;
- The menu password can be set, which is convenient for hierarchical management;
- Provide AC and DC power supply modes, both of which are wide-voltage power supply;

Model	DDS2-CL3A	DDS2-CL3D	DDS2-CL4A	DDS2-CL4D
Software Version	DRFN Free Chlorine Analysis software V1.0			
Sensor Input	Compatible with all DRFN's Free Chlorine Digital Sensors			
Display range	0.00-100.00mg/L			
Resolution	0.01 mg/L			
Relay control	Two settable SPST relays, the maximum load of the relay is 3A/250VAC.			
Analog current output	Two settable0/4~20mAcurrentoutputs ,maxload1000Ω			
Communication method	Two-wire RS485 interface, communication protocol: MODBUS RTU; Support JSON text data format			
OTA	——	——	Default WIFI	Default WIFI
Display screen	128*64 black and white graphic dot matrix LCD display, adjustable backlight mode, adjustable display rate.			
Configuration information	Power-off protection, parameter retention indefinitely			
Time History/Data Record	Year/month/day/hour/minute/second, 14,000 historical data can be recorded, and the recording interval can be set between 1 and 999 minutes.			
Maintenance records	Last 100 times			
Protection class	IP66			
Operating environment	0~60℃，RH<95%(no condensation)			
Storage environment	-20~70℃,RH<55% (no condensation ,precision instruments)			
Shell Material	Shell material: Reinforced ABS; instrument dimensions 144*144*120mm			
Mounting Method	Wall-mounted installation, pipe clamp installation, panel installation (opening size 138*138mm)			
Electrical interface	The back end reserved 3M12*1.5 Gram head,line diameter 3~6.5mm			
Power supply	AC100~240VAC	DC 18~36VDC	AC 100~240VAC	DC18~36VDC
Power consumption	About 7W			
Instrument weight	About 800g			