

Digital Blue Green Algae Analyzer

Daruifuno's Blue-Green algae analyzer uses the fluorescence characteristics of blue-green algae to excite the phycocyanin in the water with a 590nm light source to produce fluorescence, and measure the fluorescence intensity at 650nm to calculate the number of blue-green algae in the water.

Application:

◇ surface water ◇ source water ◇ aquaculture waters ◇ landscape water ◇ import of the waterworks

Digital Blue Green Algae Controller



Features & Advantages

- Compatible with all DRFN digital BGA sensors;
- Separately have a list of controller and sensor settings for quick and detailed parameter setting;
- The working status of the sensor can be queried, including reading the serial number;
- Support a variety of installation methods;
- Time and historical data recording function;
- 3.2-inch large LCD screen;
- User-friendly Chinese and English language interface;
- Password can be set to prevent misoperation;
- 2 SPST multi-function and settable relays;
- Two 0/4~20mA active current loop outputs;
- RS485 interface, Modbus RTU communication protocol;
- IP66 waterproof level, sealed enclosure can isolate pollution and corrosive gas;
- OTA download technology as a smart configuration option for the instrument.

Specification & Model

Model	DUC2-BGA-H-A	DUC2-BGA-H-D	DUC2-BGA-S-A	DUC2-BGA-S-D
Software Version	DRFN BGA Analysis software V1.0			
Sensor Input	Compatible with all DRFN's BGA Digital Sensors			
Display Range	0~3,000,000 cells /mL			
Resolution	1cells /mL			
Relay Control	2 settable SPST relays with a maximum load of 3A/250VAC			
Analog Current Output	2 settable 0/4~20mA current outputs with a maximum load of 1000Ω			
Communication Method	Two-wire RS485 interface MODBUS RTU support JSON text data format			
OTA	—	—	Default WIFI	Default WIFI
Display Screen	128*64 black-and-white graphic lattice LCD adjustable backlight mode adjustable display rate			
Configuration Information	Power off protection, parameters are retained indefinitely			
Time/Data Record	Year/month/day/hour/min/second, record 14000 historical data record interval can be set between 1~999 minutes			
Maintenance Records	Last 100 times			
Protection Level	IP66			
Operating Environment	0~60°C, RH<95% (no condensation)			
Storage Environment	-20~70°C, RH<55% (no condensation, precision instruments)			
Shell Material	Enhanced ABS			
Dimension	144*144*120 mm			
Mounting Method	Wall mounting, pipe clamping, panel installation (hole size 138*138 mm)			
Electrical Interface	The back end reserved 3 M12*1.5 Gram head, line diameter 3~6.5 mm			
Power Supply	100~240VAC	18~36VDC	100~240VAC	18~36VDC
Power Consumption	About 7W			
Weight	About 800g			