

Digital NH4-N Analyzer

The NH4-N analyzer includes a controller and a digital sensor. The sensor uses the ion electrode method to measure ammonia nitrogen in the water.

Application:

- ◇ surface water
- ◇ groundwater
- ◇ sewage
- ◇ industrial wastewater
- ◇ effluent
- ◇ environmental water monitoring

Digital NH4-N Controller



NH350

Features & Advantages

- Compatible with all DRFN digital Ammonia 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-NH4-H-A | DUC2-NH4-H-D | DUC2-NH4-S-A | DUC2-NH4-S-D |
|---------------------------|--|--------------|--------------|--------------|
| Software Version | DRFN NH4-N Analysis software V1.0 | | | |
| Sensor Input | Compatible with all DRFN's Ammonia Digital Sensors | | | |
| Display Range | 0-100mg/L | | | |
| Resolution | 0.01 mg/L | | | |
| 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 | | | |