

Product Introduction

UC1000 series water quality analyzer is the best general controller of HEWAY company at present, it features the best operation, compatibility and versatility, optimized function menu, simple operation process, so that users can easily familiar with the use of methods. The UC1000 controller adopts a brand-new cast aluminum housing design, which can be connected to digital or conventional sensors. It can display up to 4 parameters and is equipped with a storage record function for users to consult at any time.



Product Features

- The controller uses a simple operation interface, which can reduce operational errors.
- Graphic dot matrix LCD display, with LED strong backlight for operation under direct sunlight.
- It is equipped with multiple sensors for measuring parameters, making installation and replacement quick and convenient
- It is standardly equipped with fully isolated analog signals and multiple data output methods such as MODBUS RS485
- Manual/automatic interference factor compensation function
- Cast aluminum shell, outdoor waterproof design, suitable for direct wall-mounted installation
- It is equipped with a storage record function, allowing users to conveniently review the measurement curve graph

Technical parameters

Measurement range: Based on the electrode
Operating temperature: -15 to 60°C, non-condensing
Storage temperature: -20 to 70°C, non-condensing
Display screen: 240*180 graphic dot matrix LCD display
Real-time clock: Independent battery, can be used for three years
Controller dimensions: 160*128*93mm (L*W*D)
Installation method: Wall-mounted
Language selection: English, Simplified Chinese
Analog output: 2-channel isolated 0/4~20mA, 500Ω Max
Calibration mode: Single-point or multi-point calibration is available
Digital communication: MODBUS RS485 protocol
Data recording: Built-in storage function
Relay control: 2-channel switch contacts, 250VAC 5A Max
Shell material: Cast aluminum with powder coating
Protection grade: IP66
Security level: Password protection can be set
Weight: 1.35Kg
Power supply: 100-240VAC, 50/60Hz, 24VDC, optional

 Measurement parameters:

PH, ORP, sulfide ions, fluoride ions, chloride ions, potassium ions, water hardness concentration, ammonia nitrogen, nitrate nitrogen, COD, oil in water, color, chlorophyll, dissolved oxygen, turbidity, suspended solids, sludge concentration, electrical conductivity, acid-base concentration, salinity, TDS, residual chlorine, chlorine dioxide, dissolved ozone, etc

PH: -2~16pH

ORP: -2000~2000mV

Temperature: -10 to 130°C

Ion concentration: 0-99,999 mg/l

Ammonia nitrogen: 0-1000mg/l

Dissolved oxygen: 0-2000 PPB or 0- 20mg/l; 0-200%

Turbidity: 0-4000NTU

Suspended solids: 0-50,000.00 mg/L

Conductivity: 0μs/cm to 2000ms/cm

Acid and base concentration: 0-100%

TDS: 0-20,000 PPM

Residual chlorine/ozone/chlorine dioxide: 0-20mg/l

Chromaticity: 0-100 degrees

COD: 0-1000mg/l

Nitrate nitrogen: 0-50mg/l