WMION1001 ION METER

WMION1001 Industrial online Ion meter is our company's latest micro-computer based high-end instrument. It is characterized by complete English display, English menu operation, intelligence, multiple functions, high measuring performance, and strong environment adaptability. It is designed to measure fluoride, chloride, nitrate, ammonia nitrogen and calcium.

Applications
Continuous monitoring of ions in waterbodies

Features

- New Design, Aluminium shell, Metal texture, high level E-time water analyzer.
- **English notepad**: It adopt menu structure similar to computer operation, simple operation, the steps throughout the English tips, without instructions, it can be completed.
- **Multi-parameter display**: The concentration value, temperature, time and status can be displayed on the screen at the same time.
- **Intelligent:** On-line Fluorine Ion Detector adopts high-precision AD conversion and single chip microcomputer processing technologies. It can be used for the measurement of the Fluorine ion concentration value and temperature, automatic temperature compensation, self-checking etc various functions.
- **Reliability:** All the components are arranged on one circuit board. No complicated functional switch and adjusting knob
- **Strong interference immunity**: Its current output adopts optoelectronic isolating technology. This meter has strong interference immunity and the capacity of long-distance transmission as well as excellent electromagnetic compatibility
- **Waterproof and dust-proof design**: Its protection grade is IP54. It is applicable for outdoor use
- **Automatic timing calibration**: It can ensure the stability and reliability of the measurement instrument
- **RS485 communication interface**: It can be easily connected to a computer to perform monitoring and communication.
- **Solution grounding:** It can eliminate all the disturbance of the ground circuit
- Instrument not crash: Watchdog procedures to ensure that the instrument will not working continuously crash
- **Software set current output**:0~10mA or 4~20mA outputs, it does not require users to dial any switch

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Technical Specification

Specification	
Measuring range	Ion : 0.2µg/L~2300mg/l Resolution 0.1µg/l Temperature: 0~99.9 °C Resolution 0.1 °C
Temperature of sample	0~99.9 °C
Pressure	0~6 Bar
Automatic temp. compensation	0~99.9 °C, 25°C ref.
Automatic temp. compensation error	±0.03 pH
Accuracy	Ion : ±2.5% Temperature: ±0.3°C
Stability	±1.5%/24hr
Clock Accuracy	±1 min/month
Current Output	0~10mA (load <15kΩ); 4~20mA (load <750Ω)
Output Current Error	≤1% FS
Data storage capacity	1 month (1point/5mins)
High and low alarms relays	AC 220V, 3A
Communication interface	RS485 (optional)
Power supply	AC 220V±22V, 50 Hz±1Hz, 24V DC (optional)
Protection grade	IP54, Aluminium shell for outdoor use
Dimensions	Overall: 146 (l) x 146 (w) x 156 (d) mm Holes: 138 x 138 mm
Weight	1.5kg
Working conditions	Ambient temp: 0~60°C Relative humidity: <85%

Note:

Standard single output signal 4~20mA: Measured ion value
Dual output signal 4~20mA: Measured temperature and ion values
(Please specify if dual output is needed)