PISE-900 Ion Online Analyzer

Introduction



The PISE-900 sensor can flexibly select one or two ion-selective electrodes. At the same time, it is equipped with PH and temperature electrodes as standard, so that 4 parameters can be monitored simultaneously. The optional parameters of ion selective electrode include: Ammonia nitrogen (NH4+), Nitrate (NO3-), Potassium ion (K+), Chloride (CL-), Fluoride (F-). Different parameter combinations can also achieve mutual compensation, making the measurement data more accurate.

Features

- You can choose one or two electrodes among ammonium ion, nitrate ion, potassium ion, chloride，fluoride.
- Realize flexible combination to meet the needs of different customers.
- Digital sensor, strong anti-interference ability, long transmission distance;
- Standard digital signal output, which can be integrated and networked with other equipment without a transmitter;
- The sensor is convenient and quick to install on site, realizing plug and play;
- The positive and negative polarity of the sensor power supply is reversely connected, and the RS485 A/B end of the sensor is connected to the power supply protection;
- With time display, data storage and historical data viewing functions，Optional data wireless transmission module.

Applications

- Monitor the nitrification and aeration tanks of sewage treatment plants, industrial processes and the ammonia nitrogen value in river water.

Technical Specifications

Measuring range	Ammonia nitrogen (NH4N): 0.1-3000 mg/L Nitrate Nitrogen (NO3N):0.5-3000 mg/L Potassium ion (K+): 0.5-5000 mg/L；Chloride (CL-): 3-3500 mg/L Fluoride (F-): 0.5-10000 mg/L；PH: 5-10；Temperature: 0-40℃
Resolution	Ion parameters: 0.01 mg/L；Temperature: 0.1℃；pH：0.01
Measurement accuracy	Ammonia nitrogen (NH4N)：　±5% or ±0.2 mg/L, whichever is greater Other Ion parameters: ±10% or ±0.2 mg/L, whichever is greater Temperature: ±0.5℃ pH: ±0.1 pH
Repeatability	±5% or 0.2mg/l greater one
Power supply	AC: 85-500VAC or DC: 9-36VDC
Output	3 way 4-20mA
Relay	Three-way relay, programmed response parameter and response value
Protocol	MODBUS RS485
Sorage&Operating temperature	0 to 50℃(no freezing)&0 to 40℃(no freezing)
Size	Sensor: D55mm×L342mm; Transmitter: L145×W125×H162mm
Weight	Sensor: <1KG; Transmitter: 1.35KG
Protection level	Sensor: IP68/NEMA6P; Transmitter: IP66/NEMA4X
Cable length	Standard 10 meters cable, can be extended to 100 meters

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