PDO3-600 On-line Ozone O3 Water Quality Analyzer

Introduction



PDO3-600 ozone electrode is a 2-electrode measurement system using the coating method. The detection part adopts a special permeable membrane technology, which has the characteristics of resisting chemical (mainly surfactant interference and reducing pH dependence.

Fast speed, stable performance, low cost and low maintenance, providing users with reliable and accurate data.

Features

- Basically not affected by PH;
- Internal processing of digital signal data, free from electromagnetic interference;
- Stable work and fast response;
- Low cost and less maintenance.

Applications

- Tap water, drinking water, swimming pool water, medical wastewater, sewage, industrial wastewater, seawater, etc.

Technical Specifications

Measurement range	0-20mg/L
Precision (Calibrated at 25°C, pH=7.2, potable water, full scale repeat)	Range: 0-2ppm: Less than 1% Range: 2-20ppm: Less than 3%
PH Range	pH：2-11
Flow rate	In the flow cell: 250-500ml/min, the flow rate has little effect on it
Response time	T90: about 15s (up to 90% of the measured value)
Slope calibration	On the measuring device, determined by analytical methods
Temp compensation	Integrated automatic temp. compensation
Material	PVC-U, Semipermeable membrane, ABS
Power supply	AC：85-500VAC;DC：9-36VDC
Output	3Way 4-20mA
Relay	Three-way relay, program setting response parameters and response values
Operating temp	Measuring water temp.: 0-45℃ (no condensation in water) Ambient room temp.: 0-55℃
Output signal	Digital signal (MODBUS RS485 with isolation)
Size	Sensor: Diameter 25mm * length 220mm Transmitter: 145*125*162mm (L*W*H)
Cable length	Standard 5m cable, can be extended up to 100m

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