Intelligent Online Total Chlorine Analyzer

W761 with CP4.0 Sensor for Medical Wastewater

The Online Total Chlorine Analyzer is equipped with directly imported German-made CP4.0 sensor, which uses special osmotic membrane technology, resisting chemical interference (mainly from surfactants) and reducing pH dependence and is not restricted by water quality. It has fast response, stable performance, low cost, minimal maintenance, and provides reliable, accurate data. The instrument has an LCD screen, intelligent Chinese/English menu operation, analog 4-20mA and digital RS485 outputs, freely settable measurement range, high/low limit alarms, three sets of relay control switches, adjustable hysteresis range, and multiple electrode auto-calibration methods. Application fields: Tap water (0-2mg/L); sewage treatment (0-20mg/L); seawater (conductivity up to 200mS/cm, etc.).

Technical Parameters

Specification		Detailed information
Measurement	Measurement Parameters	Chlorine , pH (optional)
	Measuring Ranges	0.005～0.500mg/L;0.005～2.000mg/L;0.05～5.00mg/L;0.05～10.00mg/L;0.05～20.00mg/L;
	Lower Limit of Measurement	0.005mg/L
	Resolution	0.001～0.01mg/L（depending on the measuring range）
	Accuracy (@25℃, pH 7.2)	In the measurement range of 0 - 1ppm, when calibrated at 0.5ppm, the error is ±2% of the measured value or ±0.03ppm.（take the larger one）
		In the measurement range of 1 - 2ppm, when calibrated at 1.5ppm, the error is ±2% of the measured value or ±0.03ppm.（take the larger one)
		In the measurement range of 0 - 10ppm, when calibrated at 5.0ppm, the error is ±2% of the measured value or ±0.3ppm.

		（take the larger one）
		In the measurement range of 10 - 20ppm, when calibrated at 15.0ppm, the error is ±5% of the measured value or ±0.5ppm.（take the larger one）
	Response time	T90≈3 minutes
	Drift	Approximately - 1% per month (after calibration at 25℃ and pH = 7.2)
	PH range	4.0 - 12.0 (depending on the electrode)
	Maintenance Cycle	≥90days
	Conductivity range	10μS/cm～200mS/cm
Electrical	Display	LCD liquid - crystal screen
	Data Storage	It has an automatic storage function and data protection in case of power failure. In total, it can store 110,000 pieces of data.
	Power supply	105～235VAC±10%,50±1Hz/9-36VDC (DC is optional)
	Power	≤3W（including the sensor）
	Analog Output	Two-way analog output, with optional signal output signals: 4 - 20mA / 20 - 4mA / 0 - 20mA (load resistance < 500Ω)
	Digital output	RS485 interface, MODBUS RTU protocol
	Relay output	Three-way relay 3A 250VAC; 3A 28VDC or 120VAC
Physical properties	Material	Powder - coated steel plate
	Size	300*250*165mm（H*W*D）
	Weight	6kg
	Waterway interface	2-inch or 3-inch hose （custom made）
Ambient performance	Flow rate	In flow chamber: 250～500mL/min
	Protection level	IP43
	Water pressure	≤6 bar（matching a pressure - reducing valve with the instrument）
	Working humidity	<90%, no condensation
	Working temperature	Instrument: 0℃ - 55℃; sensor water temperature: 0.1℃ - 45℃
	Storage temperature	Instrument：-20°C～60°C；sensor：0.1°C～55°C