

Online Peracetic Acid Analyzer

with P10.1 sensor for High Water Temperature up to 45 °C



The Online Peracetic Acid Analyzer consists of the instrument for LCD type displaying peracetic acid value, optional aqueous solution pH value, and working status; outputting analog, digital, and switching signals and a German-made P10.1 sensor which resists chemical interference (mainly from surfactants), reduces pH dependence, and is not restricted by water quality. With fast response, stable performance, low cost, and minimal maintenance, it provides users with reliable and accurate data.

This analyzer is mainly used in fruit and vegetable disinfection , CIP bottle washing , medical endoscope disinfection and cold tank lines etc.

Technical Parameters

Specification		Detailed information
Measurement	Measurement Parameters	Peracetic Acid, pH (optional)
	Measuring Ranges	0~20.00mg/L; 0~200.0mg/L; 5~500.0mg/L; 5~2000mg/L; 50~5000mg/L;50~20000mg/L; 500~50000mg/L
	Lower Limit of Measurement	0.01mg/L(depending on the electrode)
	Resolution	0.01-100mg/L (depending on the measuring range)
	Accuracy (@25°C, pH 7.2)	In the measurement range of 0 - 1000ppm, when calibrated at 400ppm, the error is ±2% of the measured value or ±3ppm. (take the larger one) In the measurement range of 1000 - 2000ppm, when calibrated at 1600ppm, the error is ±5%of the measured value or ±5ppm. (take the larger one)

	Response time	T90: approx. 3.5 min. at 10 °C T90: approx. 1.5 min. at 45 °C
	Drift	Approximately - 1% per month (after calibration at 25°C and pH = 7.2)
	PH range	1.0 - 8.0 (depending on the electrode)
	Maintenance Cycle	≥90days
	Operating temperature	0 - 45°C
Electrical	Display	LCD liquid - crystal screen
	Power supply	105~235VAC, 50±1Hz/24VDC±5%(DC is optional)
	Power	≤12W (including the sensor)
	Analog Output	Two ways of analog outputs (load resistance < 500Ω)
	Digital output	RS485 interface, MODBUS RTU protocol
	Relay output	Three-way relay 5A 250VAC, 5A 30VDC
	Relay output	Three-way relay 3A 250VAC, 3A 28VDC or 120VAC
Physical properties	Material	Bottom shell: Cast aluminum with plastic spray coating Top cover: PA66 + 30GF with paint coating
	Size	145*145*174mm (H*W*D)
	Weight	1.8kg (Not including the sensor)
	Waterway interface	2-inch or 3-inch hose (custom made)
Ambient performance	Flow rate	In flow chamber: 250~500mL/min
	Protection level	IP65
	Water pressure	≤6 bar (matching a pressure - reducing valve with the instrument)
	Working humidity	<90%,no condensation
	Working temperature	Instrument: -15°C~50°C ; sensor water temperature: 0.1°C~45°C
	Storage temperature	Instrument: -20°C~60°C; sensor: 0.1°C~55°C

Dimension

Simulation of 2-Pin Terminal Connection for Simulated Electrodes	Simulated Electrode M12 Aviation Connector	Digital Electrode M12 Aviation Connector
		