

Online Residual/Total Chlorine Analyser (colourimetric)

PACON 2500

The PACON 2500 on-line residual chlorine analyser is an accurate, cost-effective and low-maintenance instrument for continuous on-line monitoring of residual chlorine. It detects the concentration of residual chlorine using the DPD colourimetric method and automatically adds reagents for colourimetric measurement, making it suitable for residual chlorine measurement during chlorination and disinfection and for monitoring residual chlorine concentrations in drinking water networks. Selecting total chlorine reagent, total chlorine concentration can be monitored online.

Measurement parameters

Residual Chlorine
Total Chlorine

Applications

Piped water
Drinking water network
Reverse osmosis
Chilled water
Swimming pools
Shampoo (liquid)
Sterilisation process

Features

- **DPD colorimetric method, the measurement is more accurate and stable**

See American Standard Methods
GB method, consistent with the laboratory method

- **Automatic diagnosis and automatic calibration**

Automated continuous self-diagnosis monitoring
Built-in calibration curve, calibration is very simple

- **low reagent consumption, easy to replace**

Each reagent can measure 4000 times
Reagent replacement is simple, simply pour the DPD powder into the indicator solution and dissolve it for use

- **Automatic and manual measurement mode**

A key (down arrow) to quickly start a measurement
Automatic measurement cycle optional: 300-3600s

- **Analysis cycle time approx. 2.5 minutes**

Measurement time (including cleaning time) is 2.5 minutes

- **IP65 degree of protection**

Indoor wall installation

- **0/4-20mA Output**

0/4~20mA Output, max. 600Ω.

- **RS485 Modbus RTU communication**

Standard Modbus RTU communication protocol
The baud rate is fixed at 9600

- **Password protection to prevent unauthorized operations**

Password: 0022, English and Chinese menu



Technical parameter

Measuring principle: DPD colourimetric method
Measuring range: 0.00-5.00 mg/l (ppm)
Resolution: 0.01 mg/l (ppm)
Accuracy: ±1%f.s.
Cycle time: adjustable: 60 - 3600s (system default 300s)
Display: Multi-line LCD display(measured value, measurement mode and relay status)
Language: Chinese/English
Power supply: 90-260VAC,50/60Hz
Analogue output: 4-20mA output,Max.600Ω
Digital output: RS485 Modbus RTU
Alarm: 2 sets of independently set Hi/Lo alarm points with hysteresis setting, 5A/250VAC
Operating conditions: Operating temperature: 0-50°C;
Humidity: 10-95%, non-condensing
Recommendation: Flow rate: 1L/min; Pressure: 1 bar
Protection class: IP65
Installation: wall mounting
Size: 450×350×200mm, Ca.5Kg

Order Guide

Order No.	Description
33-2500-00	PACON 2500 Online Residual/Total Chlorine Analyser
50-2500-00	Residual chlorine reagent kit, about 30 days dosage
50-2500-02	Total chlorine reagent kit, about 30 days dosage
50-2500-10	Spare parts kit for residual chlorine, including: peristaltic pump tubing, vials, etc.