

# Online Residual/Total Chlorine Analyser (colourimetric)

## PACON 2501

The PACON 2501 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

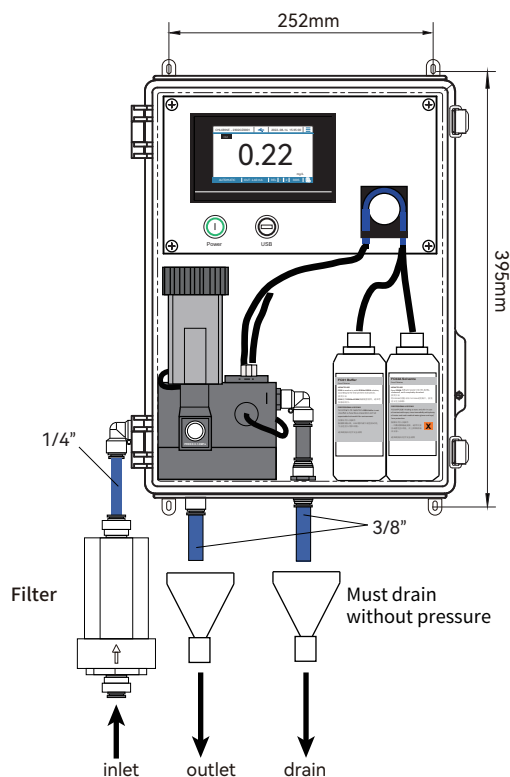
Piped water, Drinking water network, Reverse osmosis, Chilled water  
Swimming pools, Shampoo (liquid), Sterilisation process

### Features

- DPD colourimetric method for more accurate and stable measurements
- Auto-diagnostics and auto-calibration
- Low reagent consumption and easy replacement
- Automatic and manual measurement modes
- Analysis cycle time approx. 2.5 minutes
- IP65 protection rating
- 4-20mA output
- RS485 Modbus communication
- Password protection against unauthorised operation

### Technical parameter

Measuring principle: DPD colourimetric method  
 Measuring range: 0.00-5.00 mg/l (ppm)  
 Resolution: 0.01 mg/l (ppm)  
 Accuracy:  $\pm 1\%$ f.s.  
 Cycle time: adjustable: 60 - 3600s (system default 300s)  
 Display: 4.3" LCD touch screen display(measured value, measurement mode and relay status)  
 Language: Chinese/English  
 Power supply: 110-240VAC, 50/60Hz  
 Analogue output: 4-20mA output, Max. 500 $\Omega$   
 Digital output: RS485 Modbus  
 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: 300x400x180mm



### Order Guide

Order No.	Description
33-2501-00	PACON 2501 On-line Residual/Total Chlorine Analyser
50-2501-00	Residual chlorine reagent kit, 2500 measurements possible
50-2501-02	Total chlorine reagent kit, 2500 measurements possible
50-2501-10	Spare parts kit for residual chlorine, including: peristaltic pump tubing, vials, etc.