

PACON 4800

## Online Hardness Analyzer

### Measuring parameter

- Total Hardness

### Features

- Fully automatic measurement  
According to the selected reagent, automatically measure the total water hardness in different ranges. This analysis is more efficient than manual measurements and more reliable than other indirect measurement methods such as ion-selective electrodes.
- Smart & accurate  
GB measurement method-Titration colorimetry method,the instrument has a calibration function. Integrated measurement techniques and two-stage analysis identify external influences such as trough contamination, watery turbidity and external light and eliminate these effects in the measurement.
- A variety of measurement modes
  - Continuous measurement
  - Interval measurement (5-99min)
  - External switch signal initiates measurement
- Compact design  
The dimension is only 300x300x200mm, can be directly linked to the wall or mounted on the bracket.
- Minimum maintenance workload  
Complete isolation of water and testing device, detachable measuring cell, without the need for additional tools for maintenance, can be easily implemented. It is recommended to replace the spare parts package once a year (including: peristaltic pump head reagent tube, stirrer, seal, order number: 50-5000-10)
- Automatic cleaning  
Rinsing and Cleaning are performed automatically for each analysis, ensuring measurement accuracy, repeatability and reduced field maintenance.
- Low reagent consumption  
Reagent bottle can be easily replaced, 500ml reagent can measure 5000 ~ 10000 times. Reagents valid for 2 years.
- LCD backlight LCD display  
Multi-language graphics backlight LCD display measurements, reagent remaining, alarm values and relay status.
- 0 / 4-20mA output
- SD card data storage  
2G data storage card, can be directly imported into the computer to excel format access to historical data and system failure information.



The PACON 4800 Online Hardness Analyzer uses the principle of titrimetric colorimetry and is the best choice for water softening systems and reverse osmosis protection for entry-level measurement..

### Application

- Demineralized water
- Reverse osmosis
- Boiler water
- Laundry room
- Ground water
- Cooling tower
- Pharmaceutical water
- Process water
- Drinks / food

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JENSPRIMA INSTRUMENTS

## Basic parameters

Measuring principle:	Titration colorimetry
Ambient temperature:	5 - 45 °C
Water temperature:	5 - 40 °C
Water sample pressure:	0.5 - 5bar, recommended 1-2 bar over 2 bar recommended installation of pressure reducing valve
Water quality requirements:	colorless, no suspended matter, no bubble pH 4 - 10.5, iron: <3ppm, copper: <0.2ppm aluminum: <0.1ppm, manganese: <0.2ppm
In / out connection:	OD 6mm hose
Humidity:	20 - 90% RH, indoor installation
Power supply:	85 - 265VAC, 47-63Hz, 25VA (runtime)
Size / Weight:	300 x 300 x 200mm, ca. 4Kg (with outer case)
Protection class:	IP65

## Technical Data

Measuring range:	0.53 - 534.0 ppm CaCO <sub>3</sub> (see reagent type)
Measurement time:	About 3 minutes, depending on water hardness and set rinse time
Accuracy:	± 5% of the upper limit of the selected reagent
Repeatability:	The upper limit of the selected reagent ± 5%
Analysis cycle:	continuous measurement / interval measurement (5-99min) / external start signal
Rinse time:	15 - 1800s
Water consumption:	about 1000ml / analysis
Display:	Backlit LCD display graphics, numerical
Optional units:	mmol / L, ppm CaCO <sub>3</sub> , ° dH, ° f and so on
Current output:	0/4 - 20mA, Max. 750Ω
Relay outp	2 passive relay output NC / NO, 250VAC 4A
Input:	External switch signal start analysis

## Order Guide

Order No.	Type	Descriptions
33-4800-00	PACON 4800	PACON 4800 Online Hardness Analyzer (With Outer Box)
50-5000-10		Spare parts kits, including: peristaltic pump head (including pump tube), sealing ring, stirrer, reagent bottle connecting pipe, it is recommended to change one year
50-5000-20		LED light source, it is recommended to change for two years