

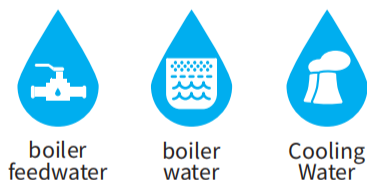
# Online Phenolphthalein Alkalinity Analyser

## PACON 4900

### Measurement parameters

Phenolphthalein alkalinity (p-value)

### Applications



### Technical parameter

<b>Reagents selected:</b>	<b>TP5050</b>	<b>TP5200</b>
<b>Measurement range:</b>	0.2 - 5mmol/L	0.8 - 20mmol/L
<b>Accuracy:</b>	±5% of the maximum value of the selected reagent	
<b>Repeatability:</b>	±2.5% of the maximum value of the selected reagent	
<b>Measurement method:</b>	Titrimetric colour change method	
<b>Reagent consumption:</b>	0.05-0.6ml/per analysis	
<b>Reagent expiry:</b>	2 years from the factory	
<b>Analysis time:</b>	ca. 3 min depending on phenolphthalein alkalinity concentration and set rinse time	
<b>Measurement interval:</b>	5-360 min optional	
<b>Automatic cleaning:</b>	The instrument is automatically rinsed after each measurement	
<b>Calibration:</b>	Service menu manual calibration	
<b>Ambient temperature:</b>	10-45°C	
<b>Water sample temperature:</b>	5-40°C	
<b>Water sample pressure:</b>	0.5-5 bar, 1-2 bar recommended	
<b>Water quality requirements:</b>	Clear, colourless, no suspended matter, no air bubbles, pH>8.2	
<b>Power supply:</b>	100-240VAC, 50/60Hz	
<b>Power consumption:</b>	20W (at work) , 3.5W (at standby)	
<b>Inlet/outlet:</b>	6mm hose, open discharge no back pressure discharge 0/4-20mA	
<b>Current output:</b>	0/4-20mA	
<b>Relay output:</b>	4 passive NC/NO relay outputs, 250VAC/1A	
<b>External input:</b>	2 programmable input contacts	
<b>Protection class:</b>	IP65	
<b>Dimensions:</b>	300 × 300 × 200mm	
<b>Weight:</b>	ca. 4Kg	



Measurement is by titration and the colour changes markedly from red to yellow. Phenolphthalein alkalinity measurements are commonly used in boiler feed water and boiler furnace water to estimate corrosion behaviour and are measured in mmol/L.



PACON 4900 is a compact, easy to operate and accurate on-line analyser from JENSPRIMA for the automatic on-line measurement of phenolphthalein alkalinity and quality control of boiler water. The titrimetric colour change principle allows the measurement of high and low ranges by selecting different reagents. Low maintenance and low reagent consumption for long continuous operation. Standard 4-20mA and RS485 Modbus outputs for easy integration into your existing control system.

- Durable, accurate analyser method (titration for colour change)
- Automatic on-line monitoring, only one reagent required
- Special material measuring bath, no condensation on optics
- Stable measurements, generally no calibration required
- 4-20mA/RS485 Modbus outputs
- 4 programmable relay outputs
- External signal input function (can be linked with external devices)
- Compact design for easy installation
- Low maintenance and low reagent consumption



### Order Guide

Order No.	Description
33-4900-00	PACON 4900 online Phenolphthalein Alkalinity Analyser
50-4905-01	TP5050 phenolphthalein alkalinity: 0.2 ~ 5mmol/L
50-4920-01	TP5200 phenolphthalein alkalinity: 0.8 ~ 20mmol/L
50-5000-10	Spare Parts Kit Including pump head (including pump tube), all seals, stirrups, connection pipe of reagent bottle, recommend to exchange every year.