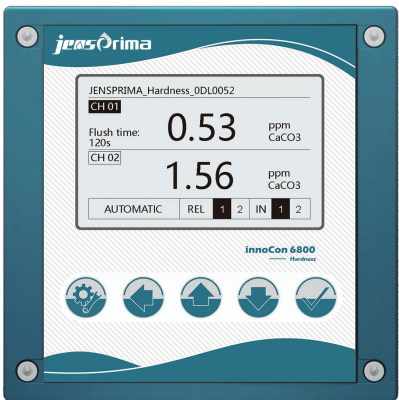


Dual Channel Online Hardness/Alkalinity Analyzer

innoCon 6800H

The Flumsys 20HA multi-channel controller with PACON 5000 online hardness/alkalinity analyser can automatically monitor 2-6 channels of water samples online and output 2-6 channels of 4-20mA, greatly reducing the customer's purchasing costs.



Measurement parameters

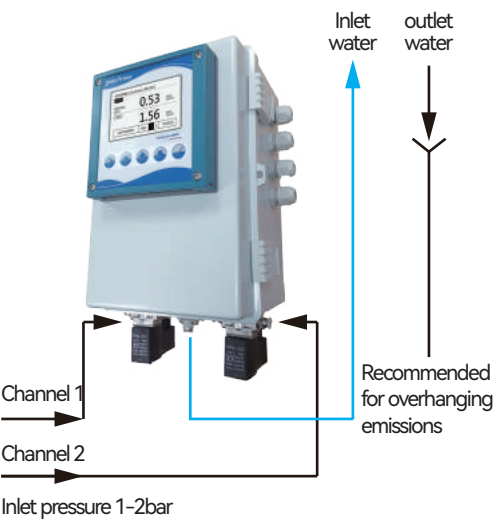
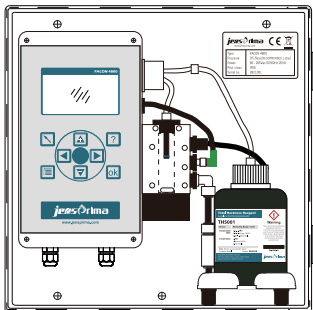
Total Hardness: 0.21 - 534 ppm CaCO₃
Total Alkalinity: 5.34 - 401 ppm CaCO₃

Applications

Boiler feed and furnace water, drinking water, circulating water, process water

Features

- Titrimetric principle for accurate and stable measurements
- Simultaneous display of the measured values of 2 channels
- Automatic linkage with PACON 5000/4800, automatic cleaning, automatic measurement Programmable measurement interval (10-360 min) and rinse time
- Automatic suspension of measurements in the event of a system failure
- 2 isolated 4-20mA outputs
- 2 Relay outputs
- RS485 Modbus RTU Communication



Technical parameter

Measurement method:	Titration colorimetric method
Measuring range:	Total hardness: 0.21-534.0 ppm CaCO ₃ (see reagent type) Total alkalinity: 5.34 - 401.0 ppm CaCO ₃ (see reagent type)
Measurement time:	approx. 3 minutes, depending on the hardness/alkalinity concentration of the water
Reagent expiry:	+/- 5% of the upper limit value of the selected reagent consumption. approx. 0.05-0.5 ml/analysis, depending on the measured concentration
Consumption of water samples	2 years ex works (<25°C, shaded storage)
Power supply:	220VAC, 50/60Hz
Protection class:	IP65
Optional units:	ppm CaCO ₃ , mmol/
Outputs:	1. 2 Hi/Lo relay outputs 2. 2 sets of 4 - 20 mA signals, max. 500 Ω 3. RS485 Modbus RTU communication
Measurement interval:	10~360min settable, default 10min
Rinse time:	settable (15~1800s)
Water quality requirements:	colourless, no suspended matter, no air bubbles; pH: 4 - 10; iron: < 3 ppm; copper: < 0.2 ppm; aluminium: < 0.1 ppm; manganese: < 0.2 ppm
Temperature:	ambient: 5°C - 45°C, water samples: 5°C - 40°C
Pressure:	ca. 0.5 - 5 bar (max.) (1 - 2 bar recommended)
Water inlet/outlet connection:	6 mm outer diameter hose
Dimensions/weight:	Dual channel controller: 350x200x200mm (WxHxD), approx. 4Kg 300x300x200mm (WxHxD), approx. 4Kg
Analysers:	
Mounting:	Wall mounted

Order Guide

Order No.	Description
33-6801-80	innoCon 6800H Dual channel online hardness/alkalinity Analyzer