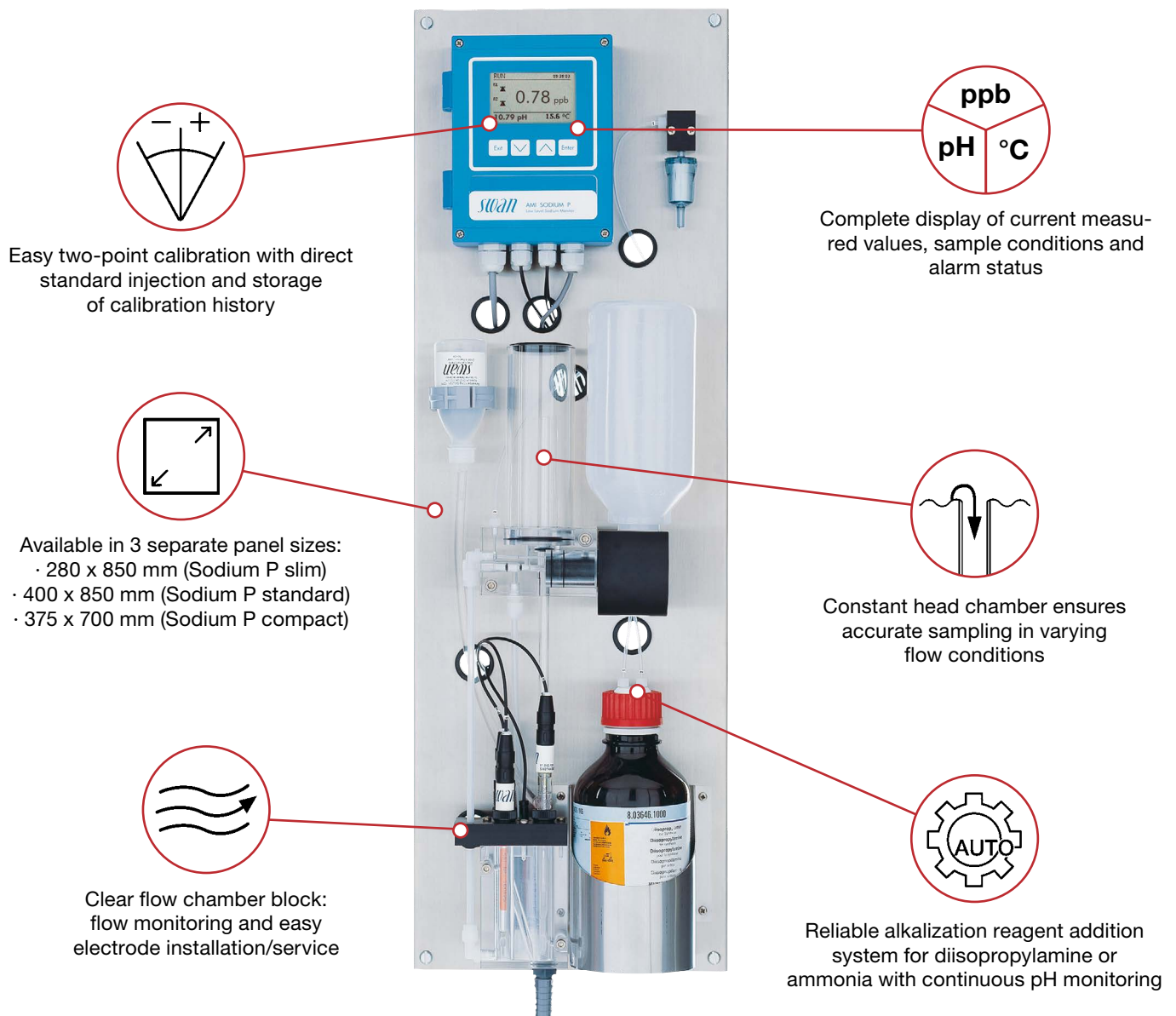


## AMI Sodium P

Sodium Analyzer with passive alkalization for samples  $\text{pH} \geq 7$ .

Designed for continuous monitoring of sodium in feedwater, steam and condensate.



### Dissolved Sodium

0.1 ppb - 10 ppm

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Power Generation

## AMI Sodium P

Sodium is a defined key parameters to monitor per IAPWS, EPRI and VGB. The AMI Sodium P monitor is a reliable solution for applications with  $\text{pH} \geq 7$  and offers numerous benefits:

### Simple operation

- Automatic alkalized sample pH monitoring with alarm
- Integrated, easy to run grab sample function
- Simple two-point calibration via grab sample connection

### Low maintenance and follow-up costs

- Passive alkalization with diisopropylamine or ammonia requiring no DIPA pump
- Long-life reference electrode – no frit to plug

### Reliable results

- Temperature and pH compensation
- Continuous, internal self-diagnostics
- Electronic drift stabilization
- Factory tested and calibrated upon delivery

### Options

- Second sample stream with stream switching (requires 400 mm or Compact panel)
- Complete system for multiplexing of up to 6 sample streams (with AMI Sample Sequencer)
- Programmable automatic sodium sensor regeneration (requires 400 mm panel)



## Range of Applications

### Condensate

Sodium measurements after the condenser indicates leakage, especially high salinity cooling water. The AMI Sodium P provides the necessary information which allows you to make well-founded decisions early and locate leakage to minimize possible consequences.

### Boiler water

Solid conditioning agents, such as sodium phosphate and sodium hydroxide are used for boiler water treatment. Overdosing or a wrong molar ratio of Na to  $\text{PO}_4$  may cause multiple problems. A proper control of sodium in boiler water is therefore essential. Protect your investment with a trend indication to prevent costly facility damage.

### Steam

Mechanical carry over from boiler drums should be checked and controlled on a regular basis as per IAPWS technical guidance documents. The measurement itself is essential since sodium is a common corrosive contaminant in the turbine which can harm your equipment considerably in a short time period.

### After Mixed Bed Resins

Ensure the quality of demineralized water delivered from the make-up plant. Reliable determination is essential to protect the entire power plant against undesired and dangerous contaminant ingress.

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