

## AMI Phosphate HL

Complete monitoring system for the automatic, continuous measurement of orthophosphate in boiler water, district heating, cooling water and waste water

- Colorimetric measurement according to APHA 4500- P.C. Vanadate-Molybdate (yellow) method
- Measurement of orto-phosphate 0.1ppm to 50ppm
- No interference with silica
- Flow-through photometer with auto-zero before each reading
- Sample flow surveillance
- Low reagent detection level switch
- Monitor self-diagnostic:
  - Photometer dirty
  - Pump/ electronic board / solenoid valve defective
- Low maintenance cost with minimum moving part / yearly maintenance part
- Complete system mounted on a panel: factory tested, calibrated and ready for operation



High Level Phosphate

Monitor AMI Phosphate HL  
Data Sheet No.: DenA25421300

## Complete monitoring system of orthophosphate in boiler water, district heating, cooling water and waste water



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### Transmitter AMI Phosphate HL

- Rugged Aluminium housing IP66.
- Two freely scalable current signal outputs (0/4 – 20 mA), third one as an option.
- Optional fieldbus communication board

### Flow cell

- Made of acrylic glass with water inlet filter and needle valve.

### Phosphate Measurement

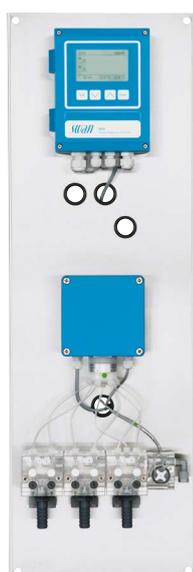
- Measuring Range:  
0.1 to 50.0 ppm as PO<sub>4</sub>  
0.1 to 16.0 ppm as P

### Analytical System

- Greatest long-term stability by automatic zero point adjustment before every reading.
- High operating reliability because of constant control of sample flow and reagent level.

### Options:

- Communication Interface (Hyperterminal, Modbus or Profibus).
- Dual Sample Stream or AMI Sample Sequencer for up to 6 Sample Streams.
- Automatic self-cleaning module for the periodical, automatic cleaning of the flow cell and photometer.



AMI Sample Sequencer  
Data Sheet No.:  
DenA82611060



Cleaning Module  
Data Sheet No.:  
DenA82312000