

## AMI Deltacon DG

*On-line analyzer for the measurement of three conductivity values in water-steam-cycles:*

1. Specific (total) conductivity
2. Cation (acid) conductivity after a cation exchanger
3. Degassed cation conductivity after a sample reboiler.

*Calculation of sample pH and ammonia concentration based on differential conductivity measurement.*



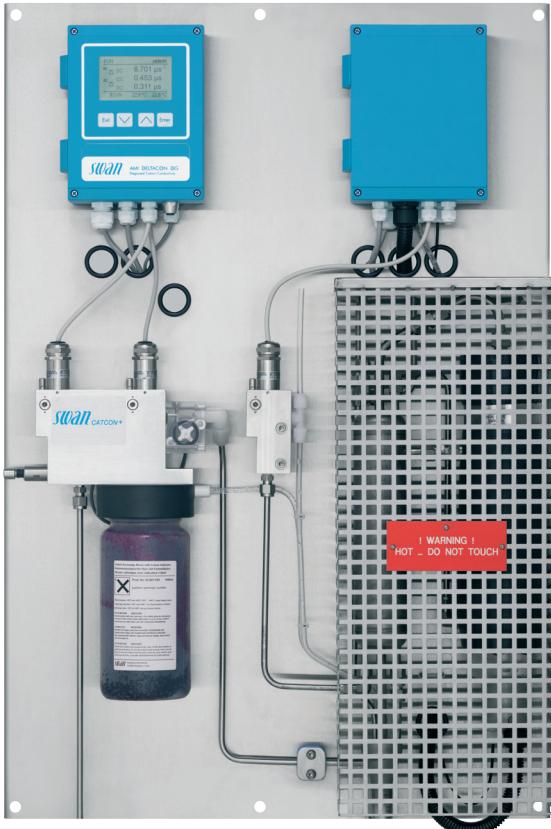
(Data Sheet No. DenA23481XX0)

Degassed Cation Conductivity

### AMI Deltacon DG...

- Measurement based on ASTM D4519-94.
- Sample reboiler unit with heating and cooling system made of stainless steel.
- Degasser electronic controller for sample reboiler with vapor pressure control (IP66).
- Atmospheric pressure measurement for boiling point compensation.
- Simultaneous measurement and display of conductivities, pH or ammonia concentration, sample temperature and sample flow.
- Calculation of resin consumption with user alarm.
- Complete system mounted on stainless steel panel.
- Factory tested, and ready for installation and operation.

# Specific, Cation and Degassed Cation Conductivity



(Data Sheet No. DenA23481XX0)

## Analytical System

- *Conductivity measurement range:  
0.055 to 1000 µS/cm*
- *Calculation of pH value:  
from pH 7.5 to 11.5 (VGB-directive 450L)*
- *Calculation of ammonia concentration:  
from 0.01 to 10 ppm*
- *High precision: ± 1 % of the measured value*
- *Sample flow measurement with security shut-off for sample heater of reboiler if sample flow is too low.*

## AMI Electronic Unit

- *Rugged aluminum housing (IP66).*
- *Large backlit LC-Display for the reading of the measured value and status information.*
- *Full-text menu driven user interface.*
- *Two freely scalable current signal outputs (0/4 – 20 mA), third one as an option.*
- *Optional fieldbus communication board (Profibus, Modbus, Webserver).*

## Flow-Cell with Sensors and Integrated Cation Exchanger

- *Stainless steel flow cell with integrated needle valve and flow sensor for two-electrode conductivity sensors with Slot-Lock system.*
- *Sensors with stainless steel body, titanium electrode and built-in temperature sensor for automatic temperature compensation.*
- *Easy to replace integrated cation column.*



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ANALYTICAL INSTRUMENTS