ANALYTICAL INSTRUMENTS

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.*

CE

PROFI PROCESS FIELD BUS

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ANALYTICAL INSTRUMENTS

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