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

Degassed Cation Conductivity

Monitor AMI Deltacon DG
(Data Sheet No. DenA23481XX0)

- 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
- Optional communication board Profibus DP / Modbus
- Factory tested and ready for installation and operation.

SWISS MADE

ANALYTICAL INSTRUMENTS

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Specific, Cation and Degassed Cation Conductivity

Monitor AMI Deltacon DG
(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 shutoff for sample heater of reboiler if sample flow is too low.

AMI Electronic Unit

- Rugged aluminium 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, SWAN Desk).

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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